

FIG. 1A

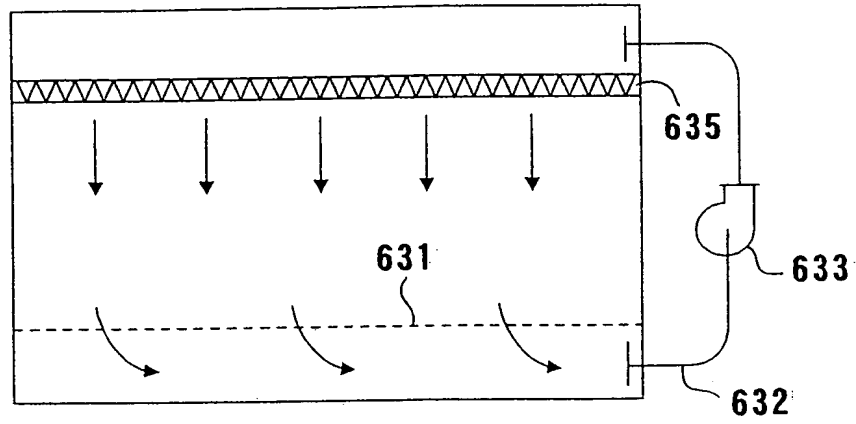


FIG. 1B

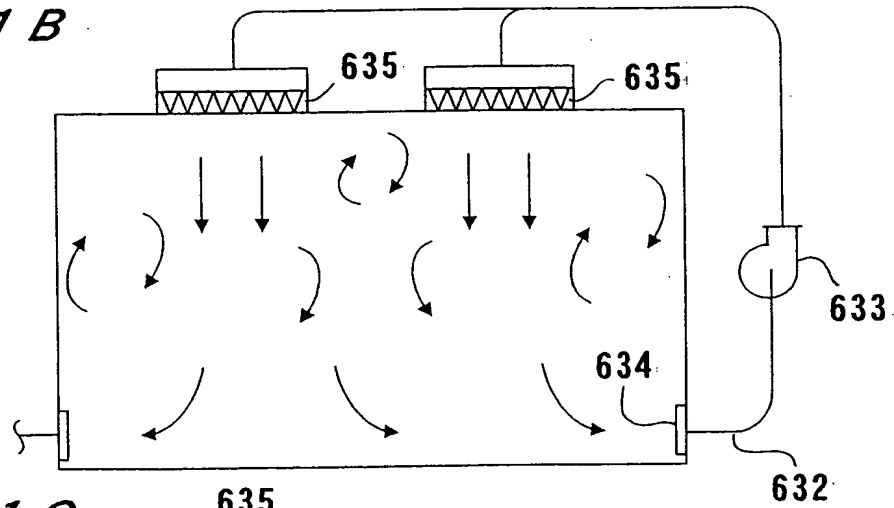


FIG. 1C

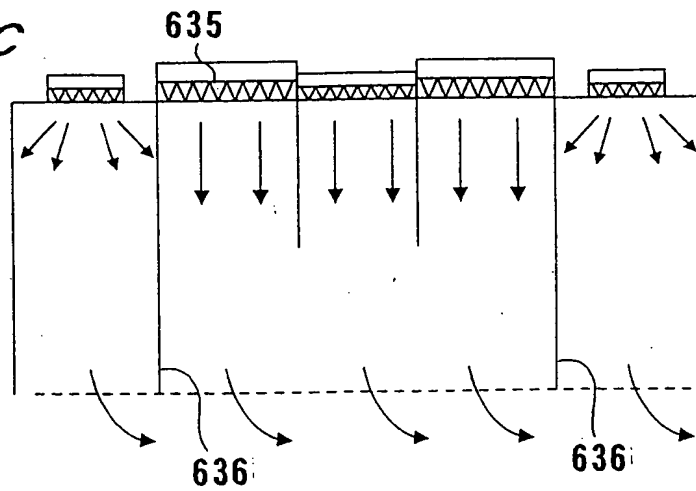
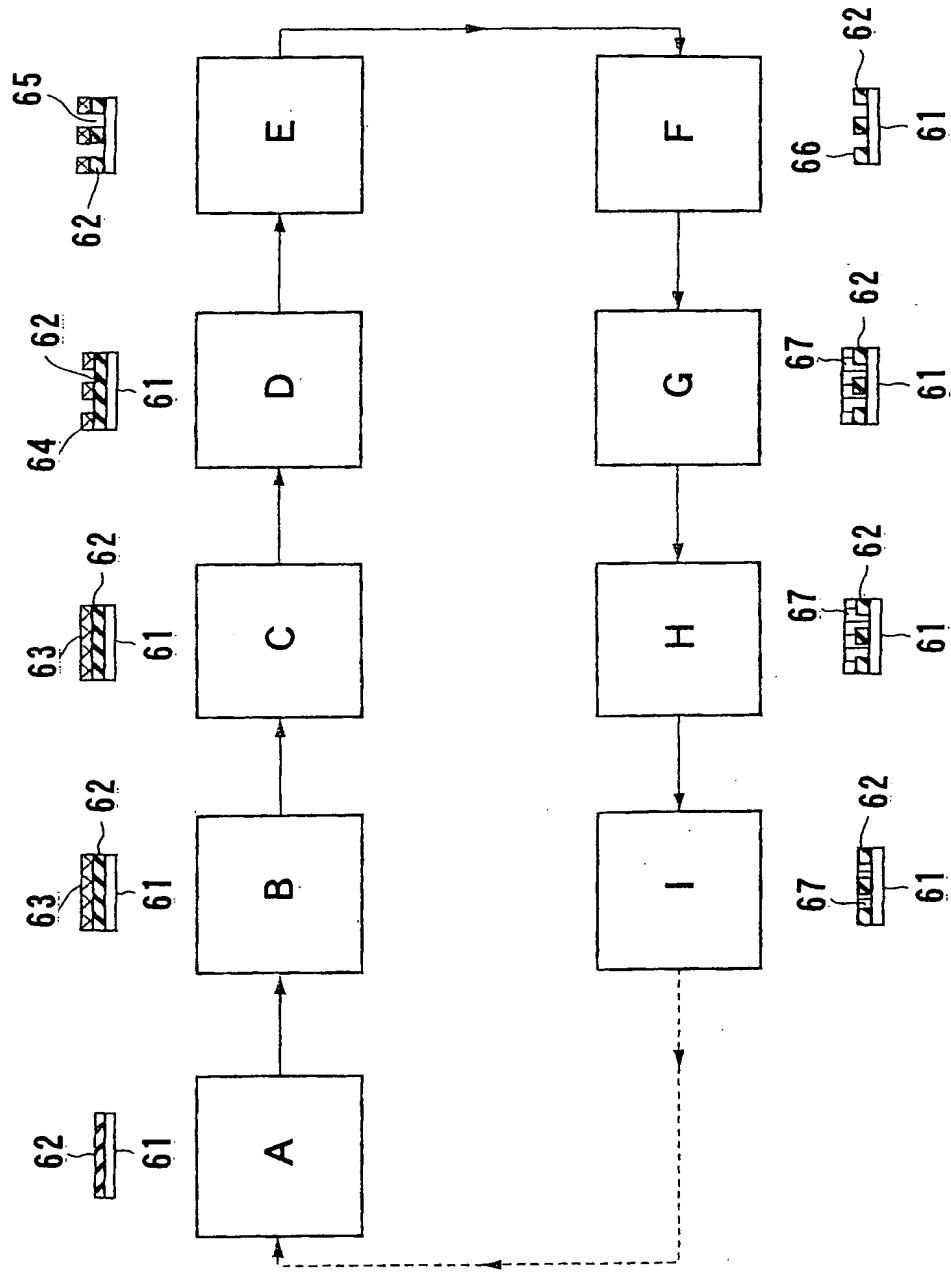


FIG. 2



3/101

FIG. 3

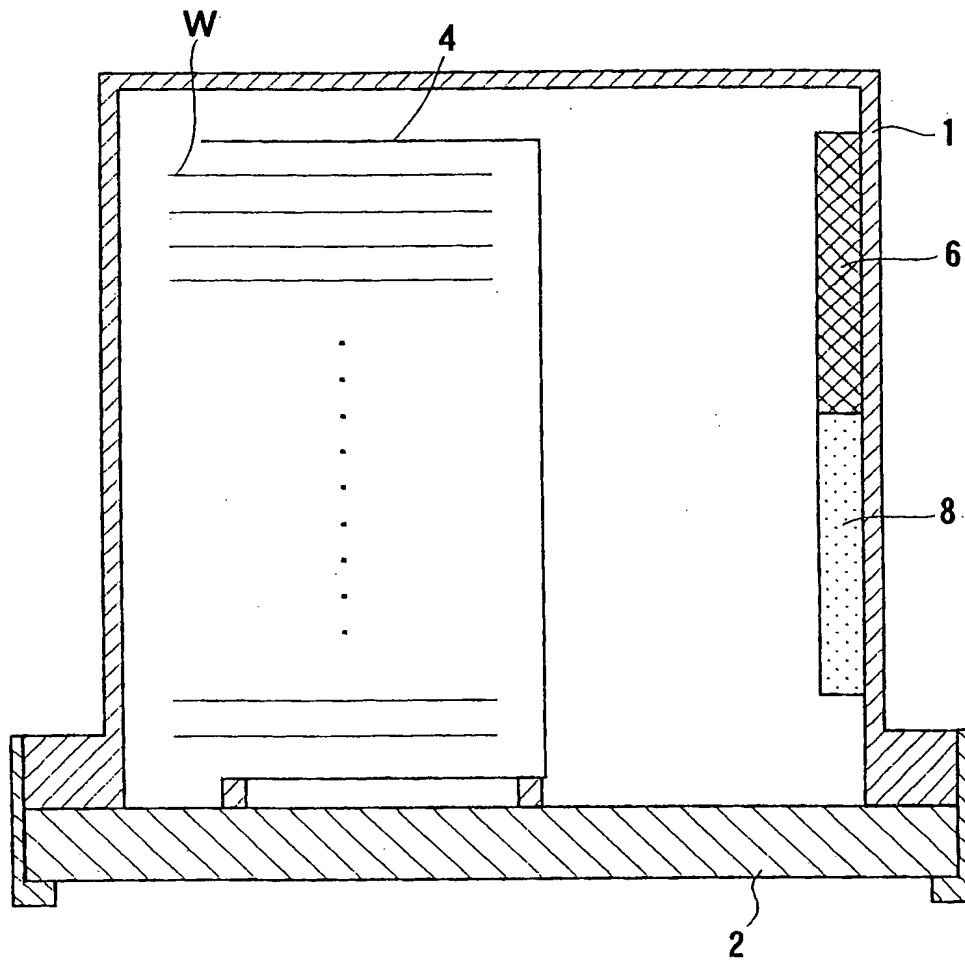


FIG. 4

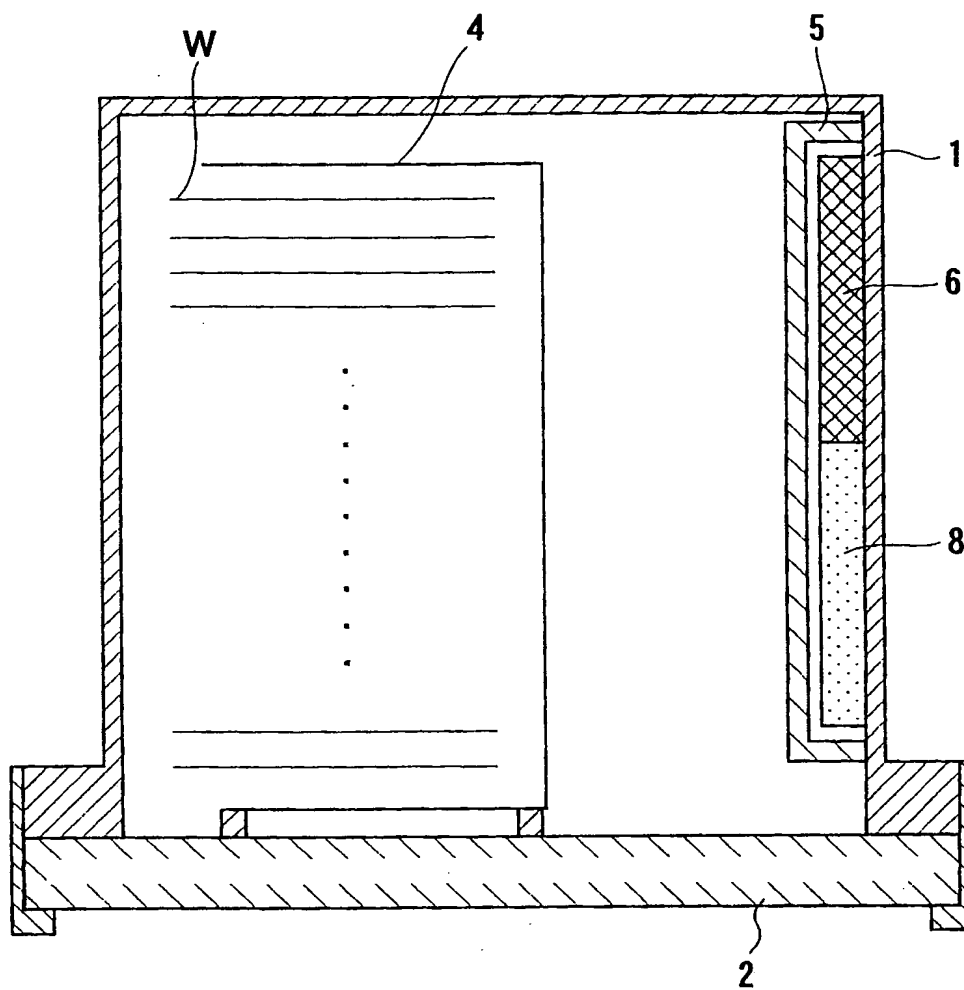


FIG. 5

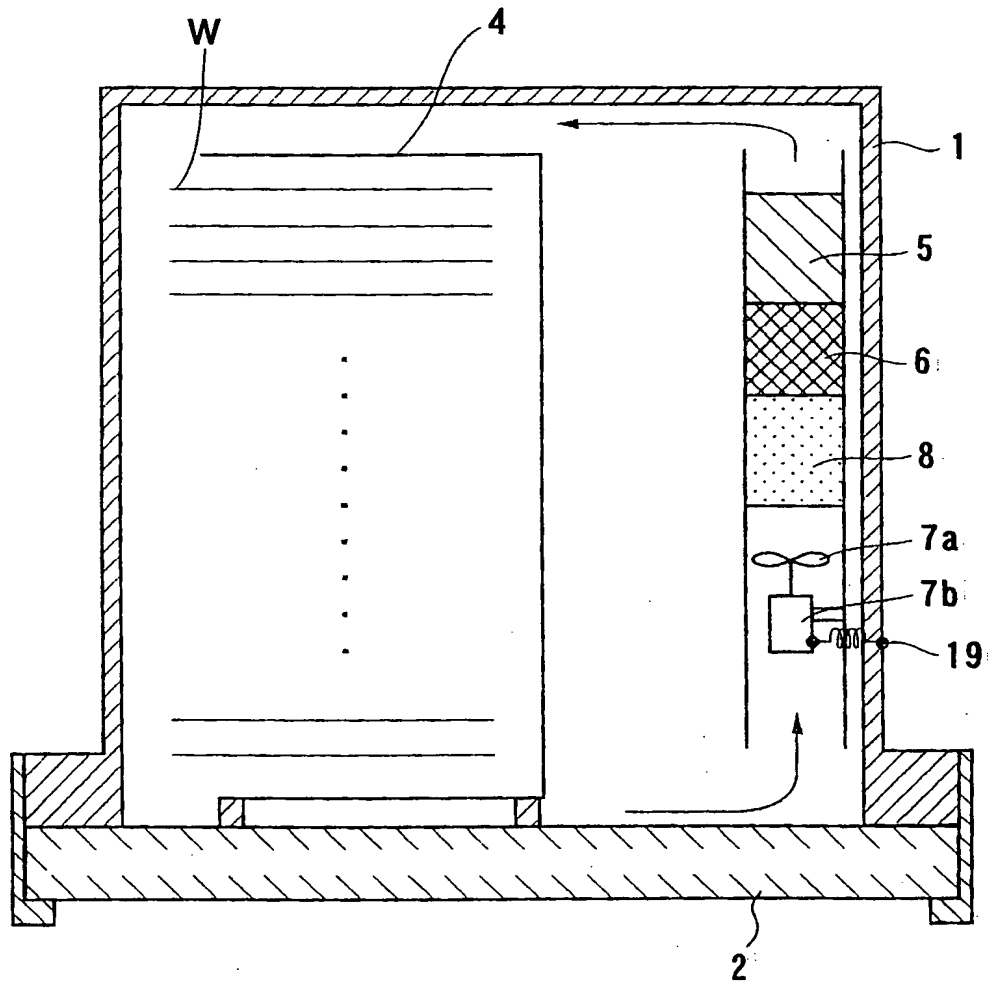


FIG. 6

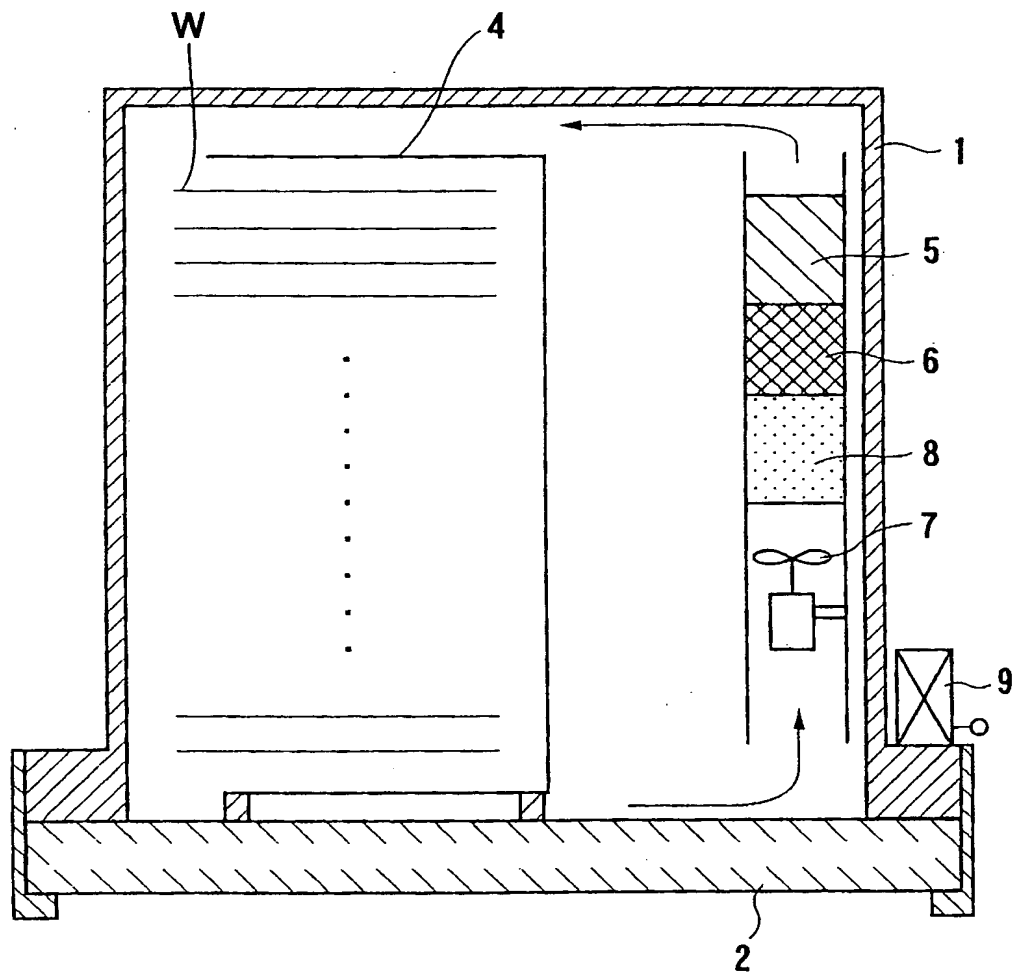


FIG. 7

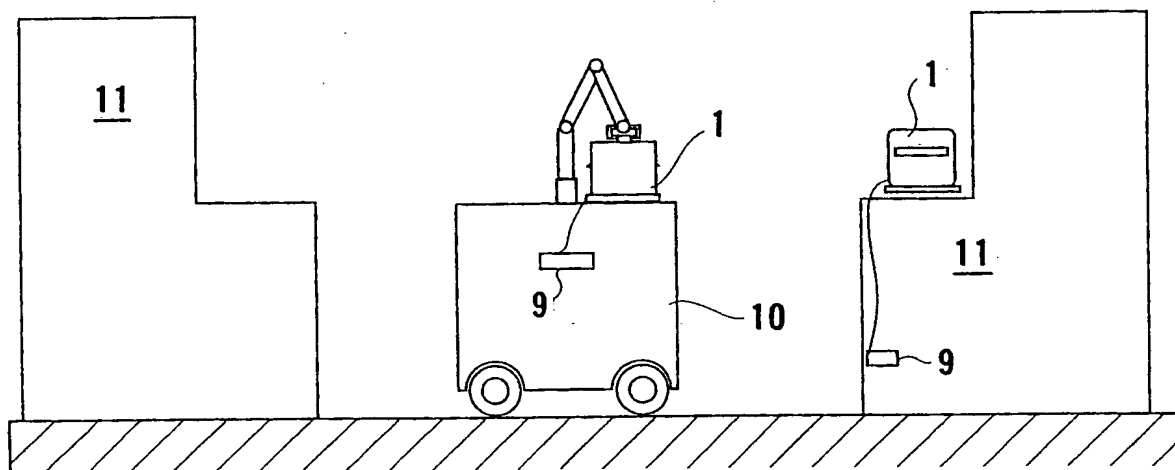


FIG. 8

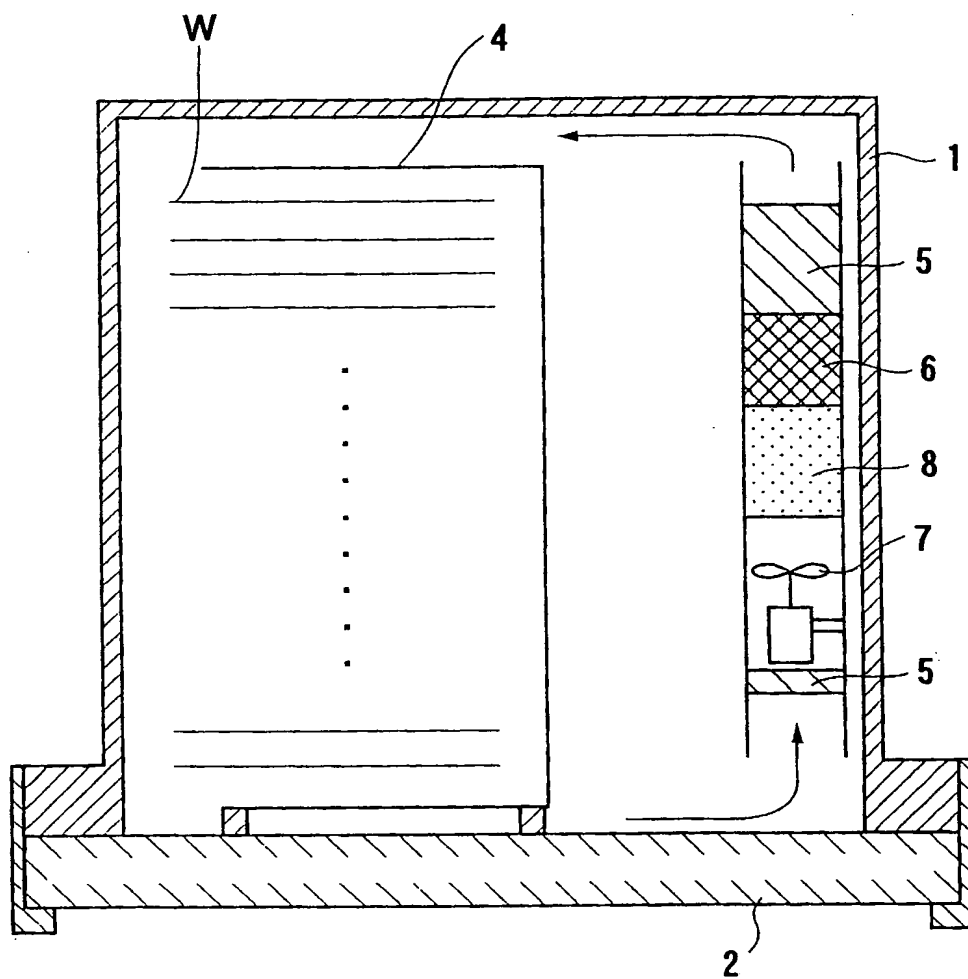


FIG. 9

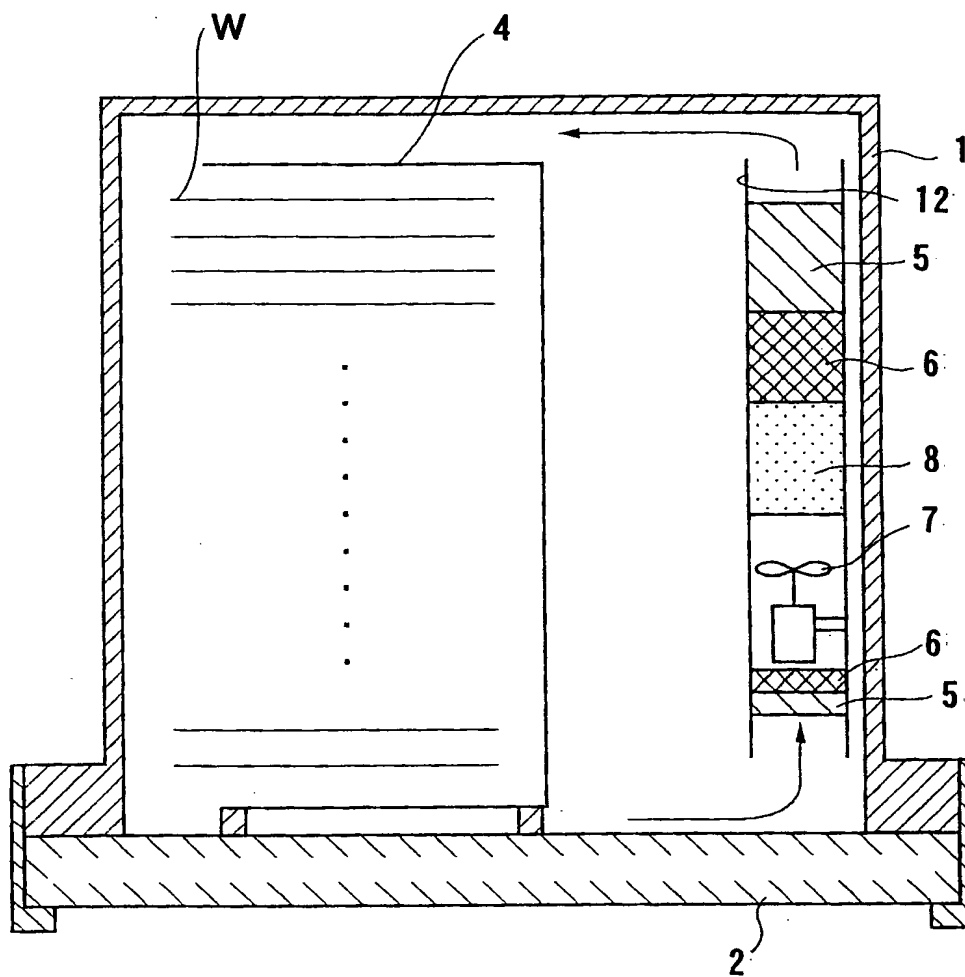


FIG. 10

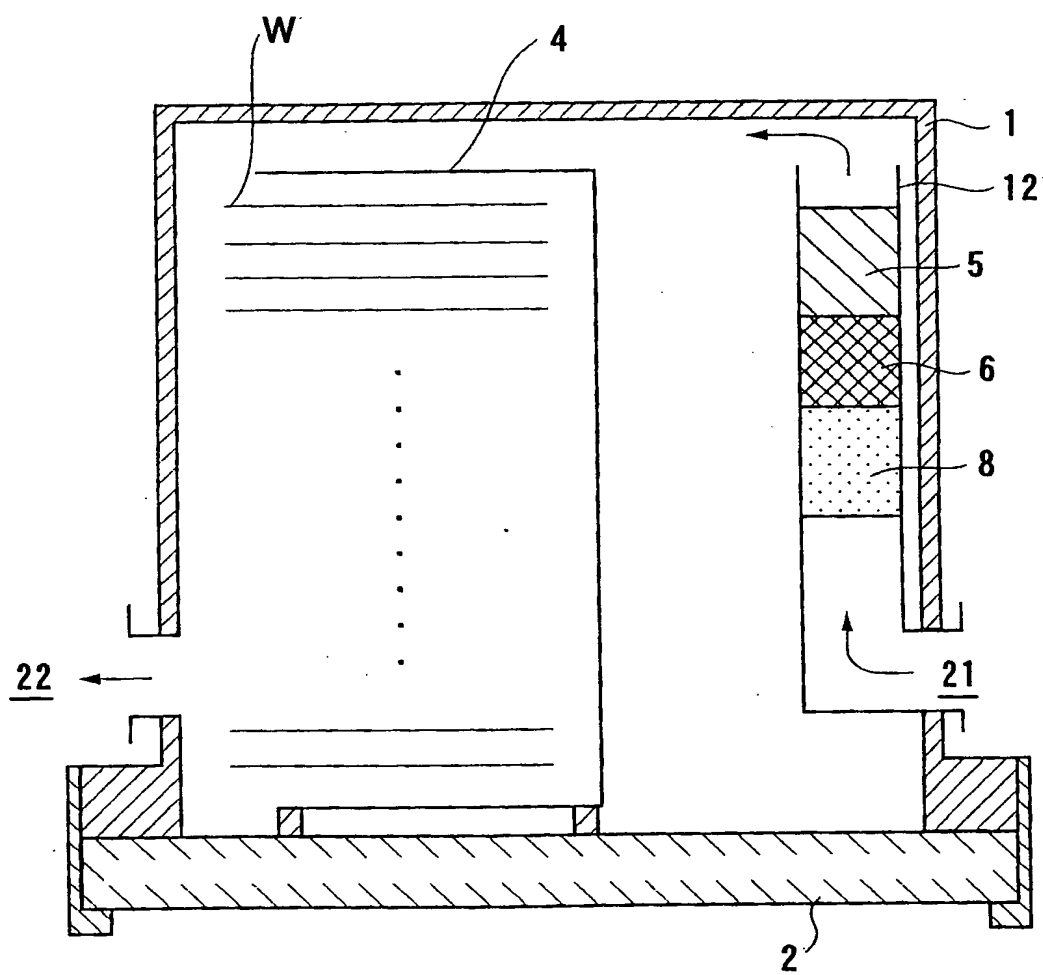
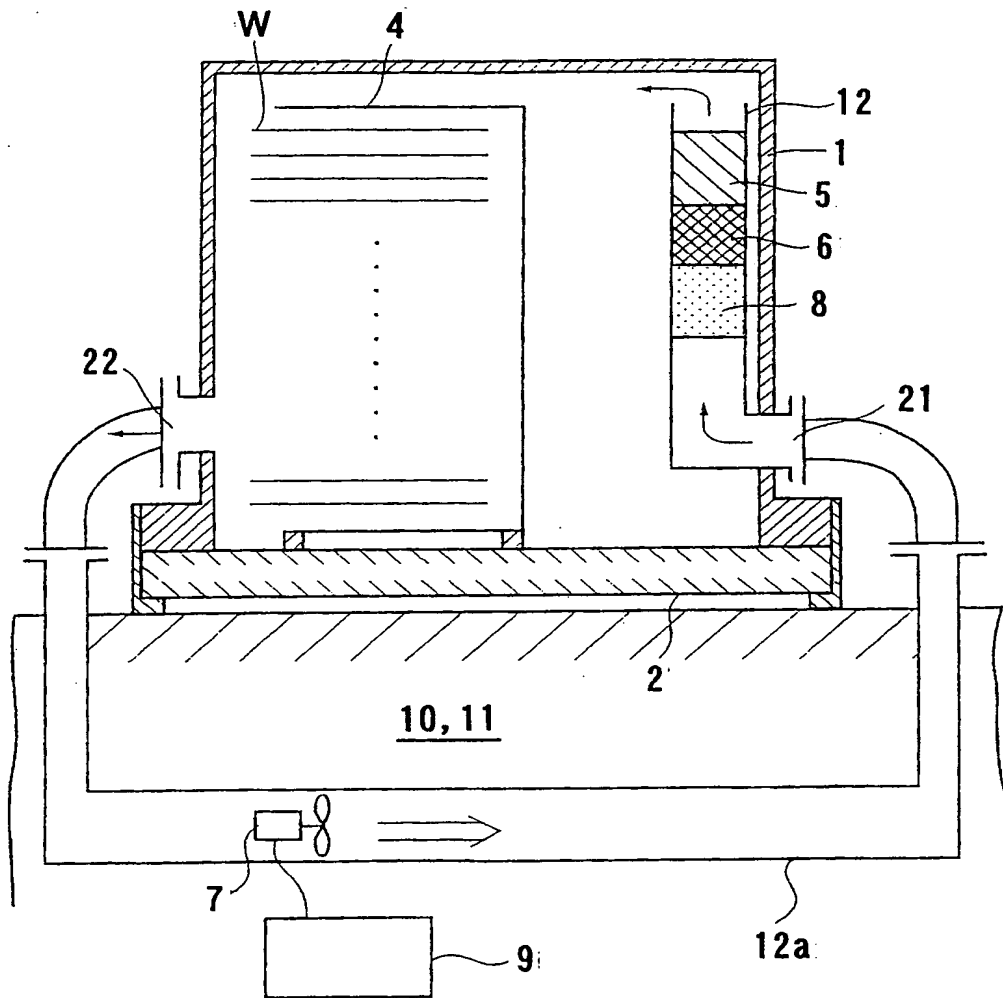


FIG. 11



12/101

FIG. 12

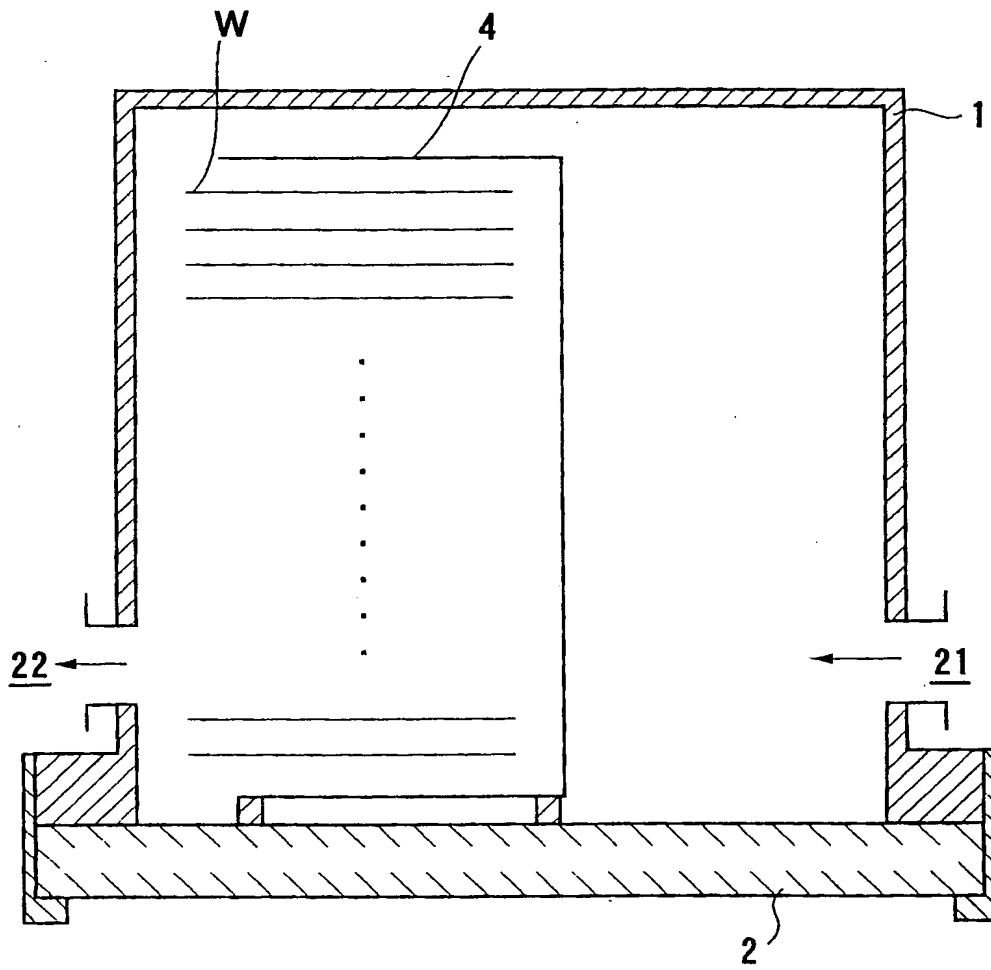


FIG. 13

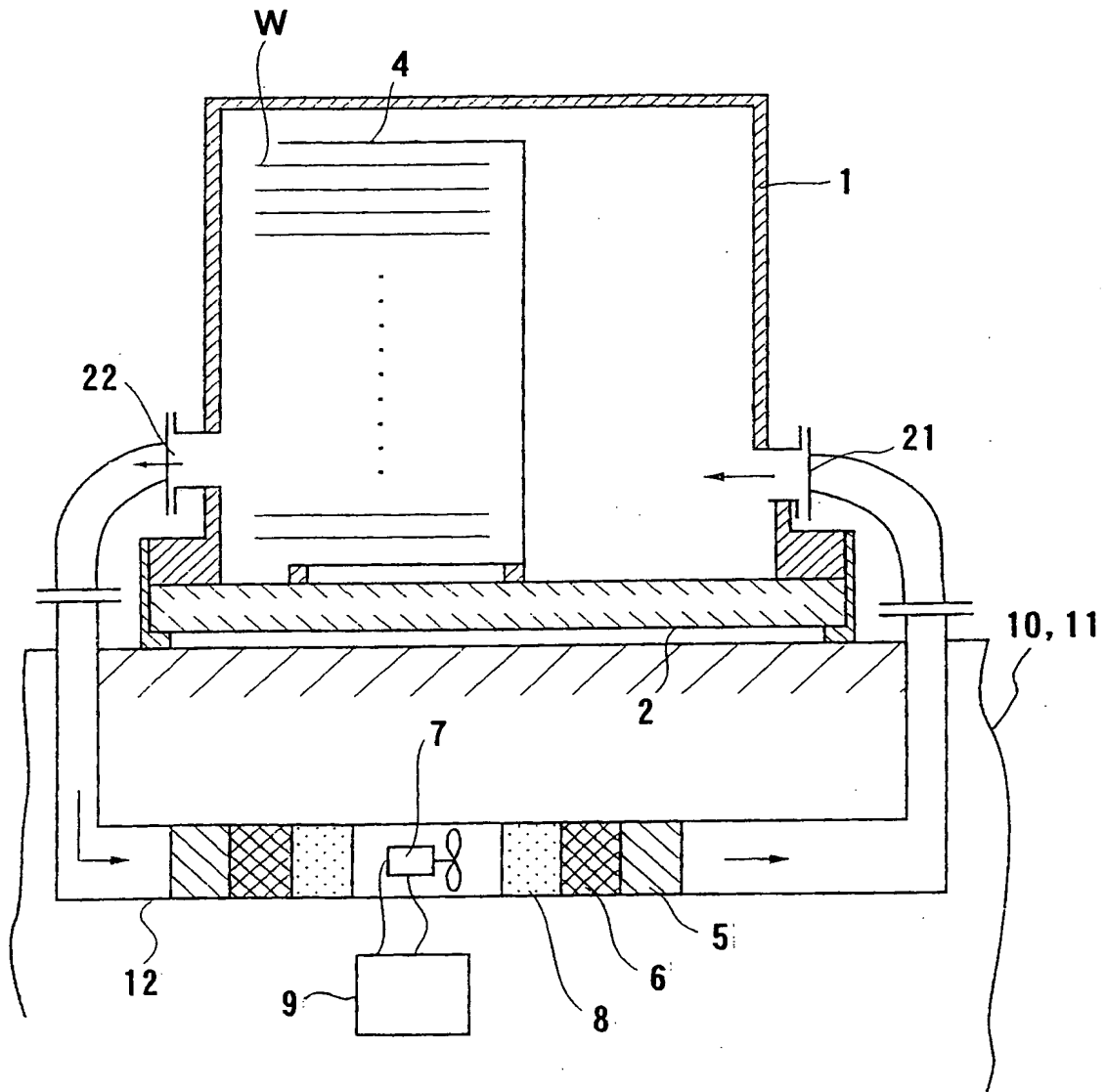


FIG. 14

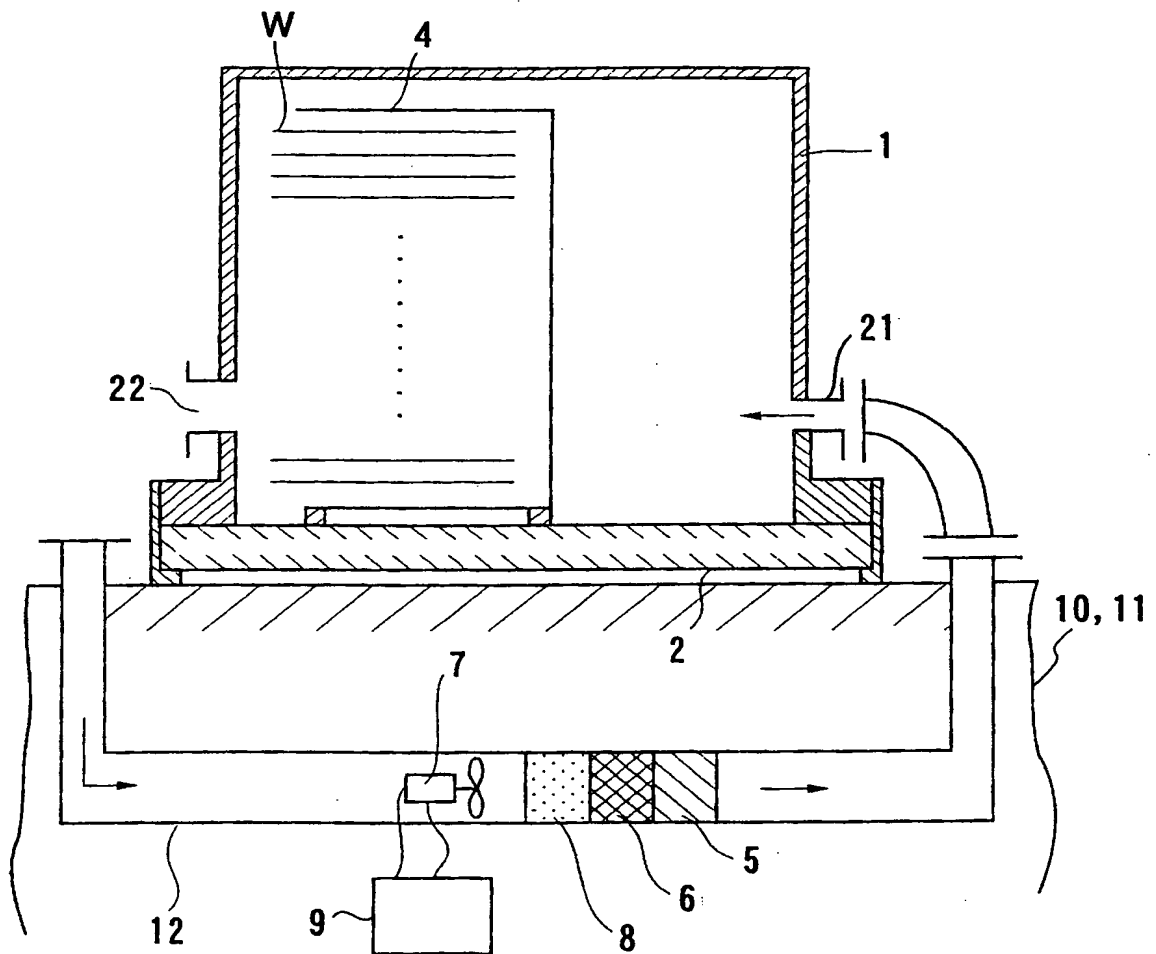


FIG. 15

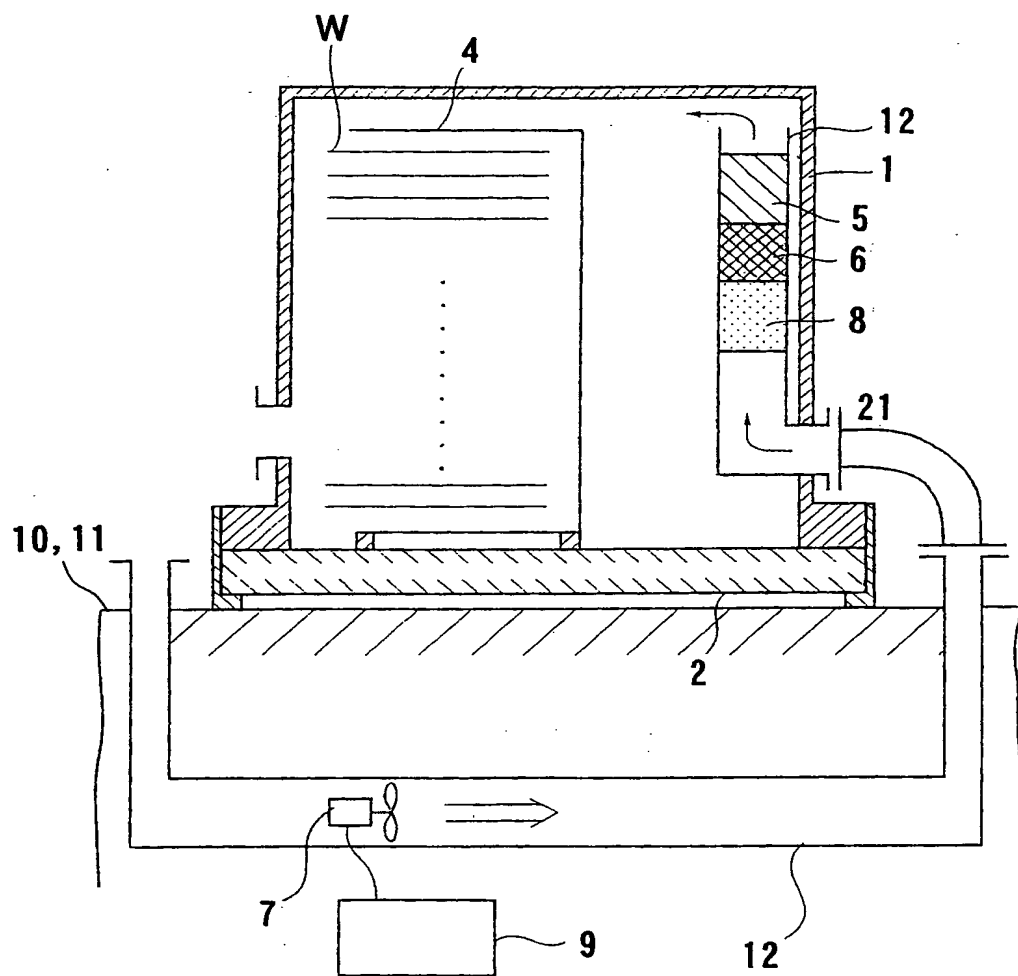


FIG. 16

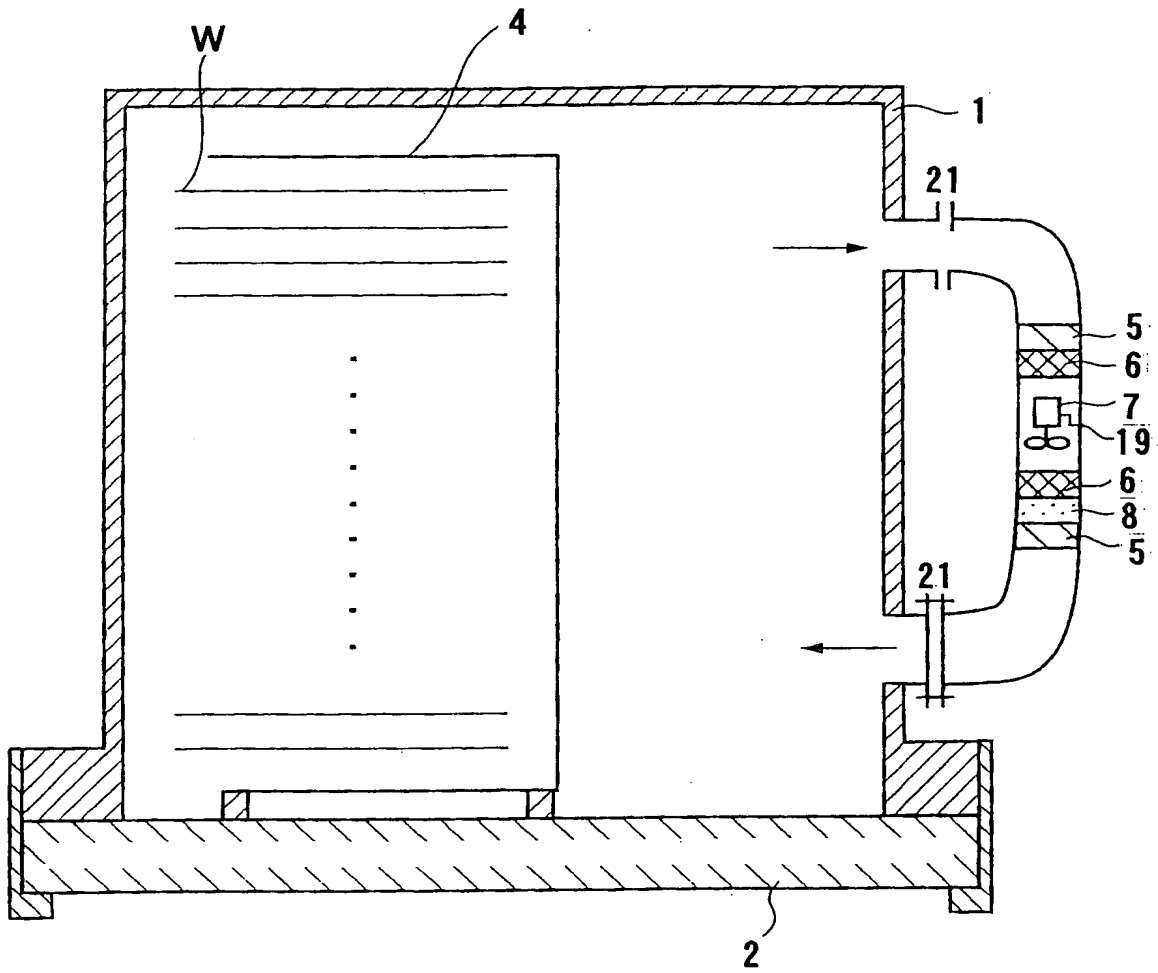


FIG. 17

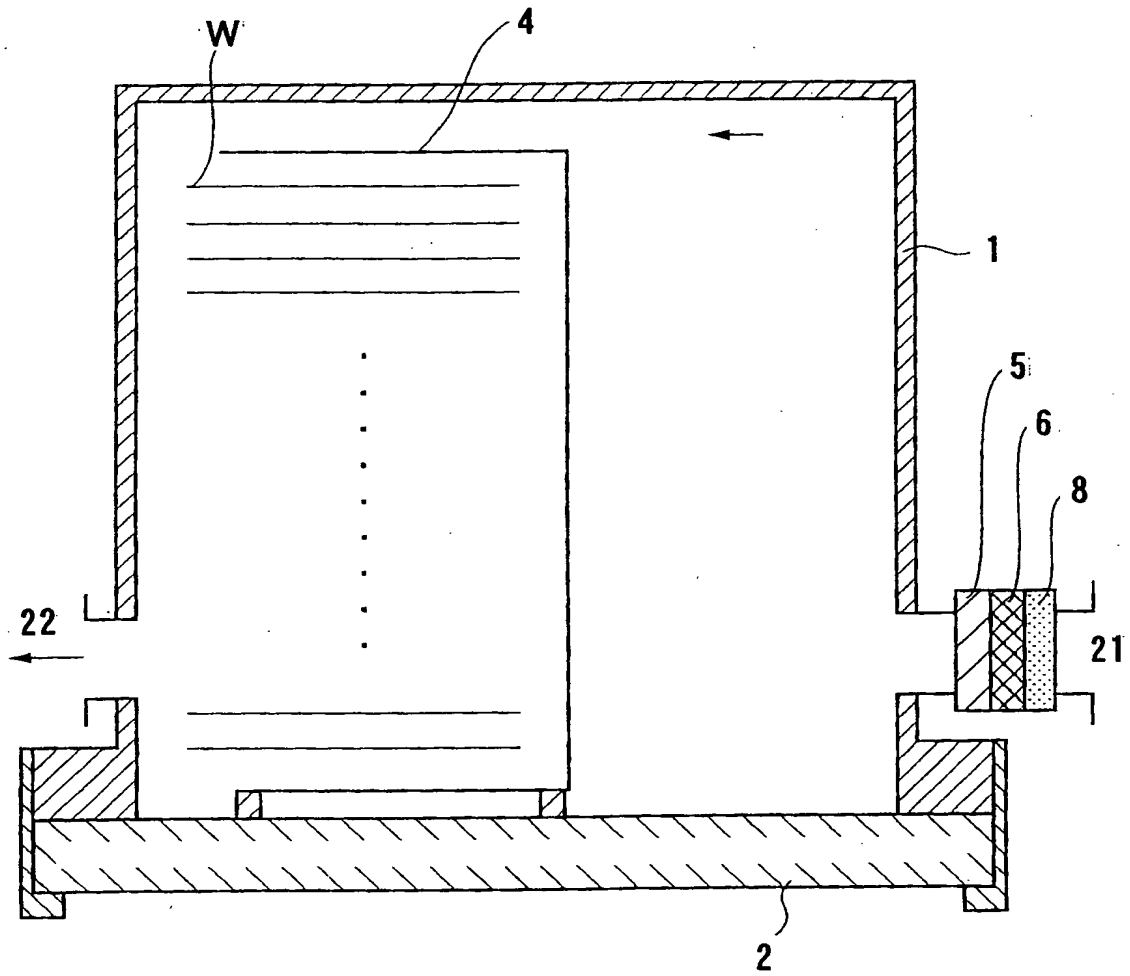


FIG. 18

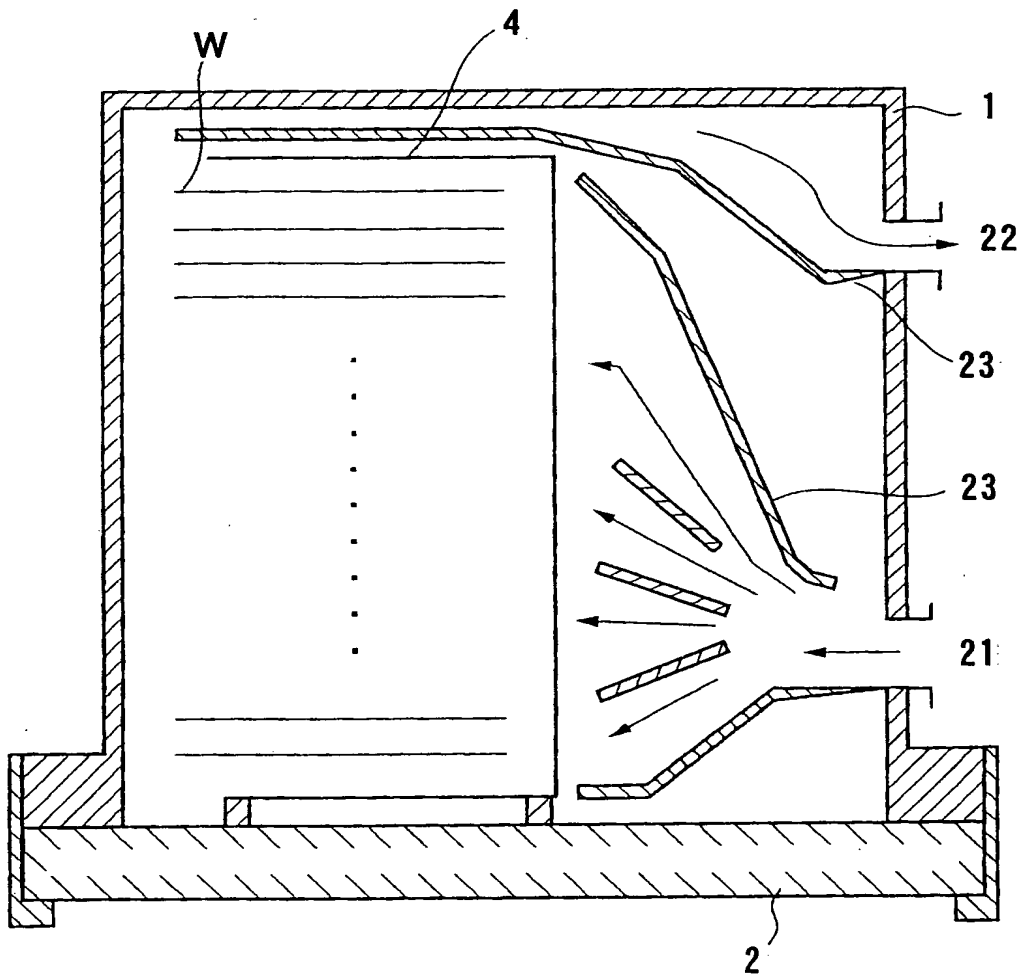


FIG. 19

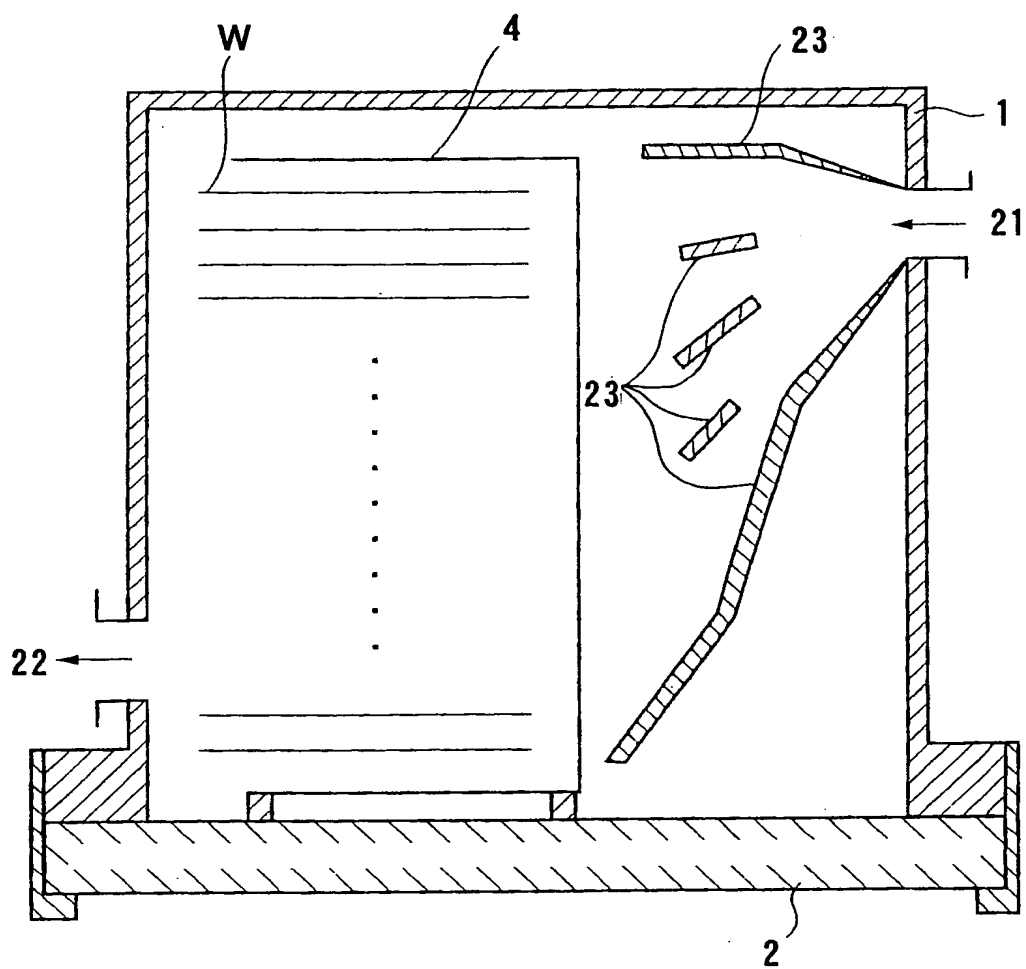


FIG. 20

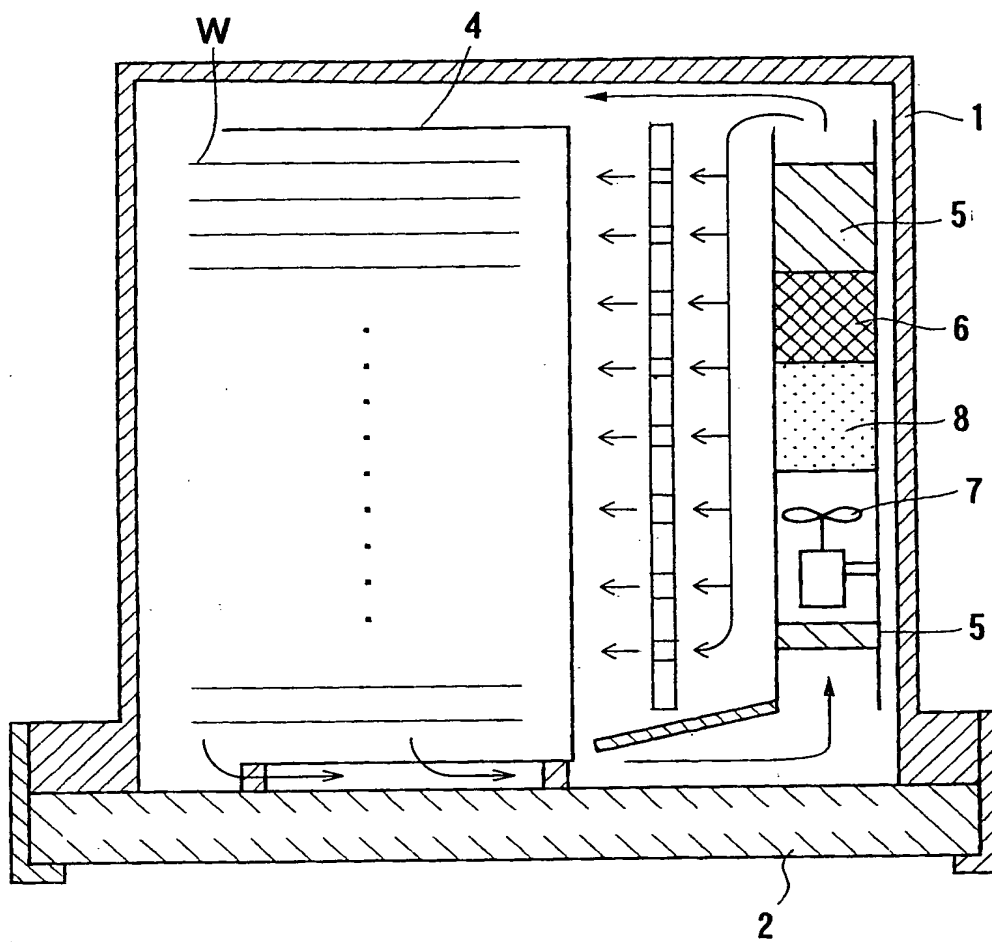


FIG. 21A

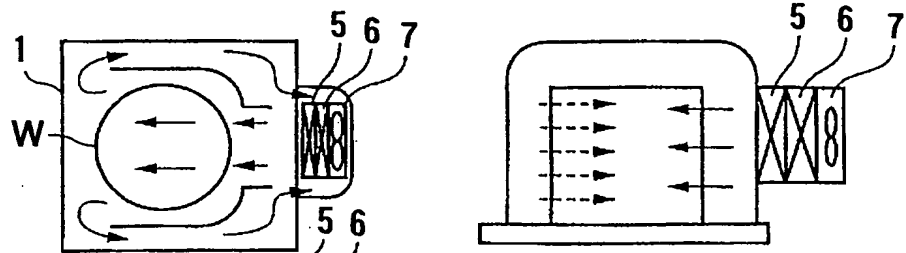


FIG. 21B

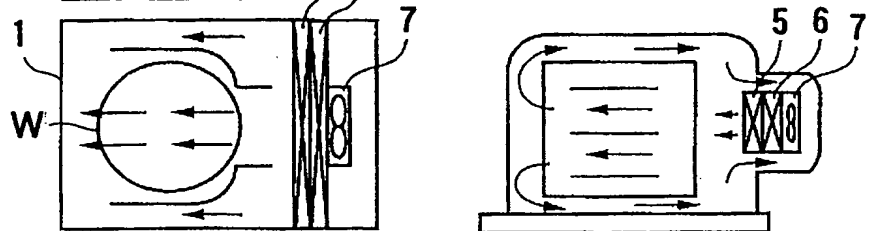


FIG. 21C

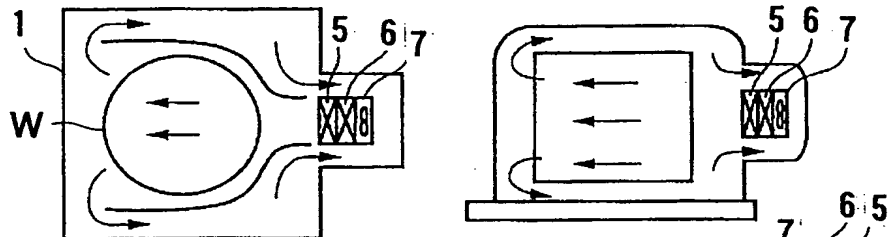


FIG. 21D

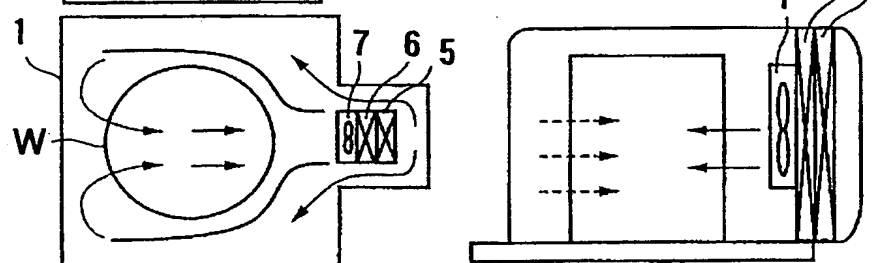


FIG. 21E

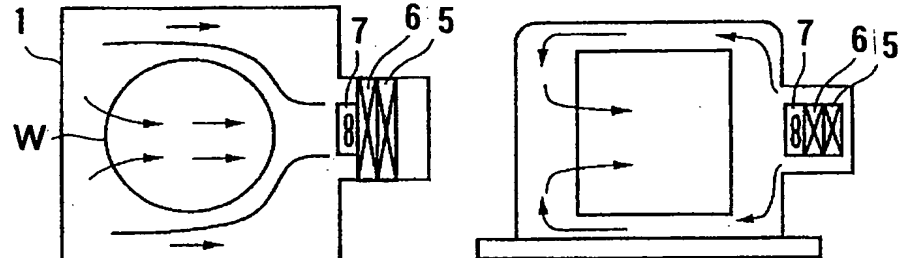


FIG. 21F

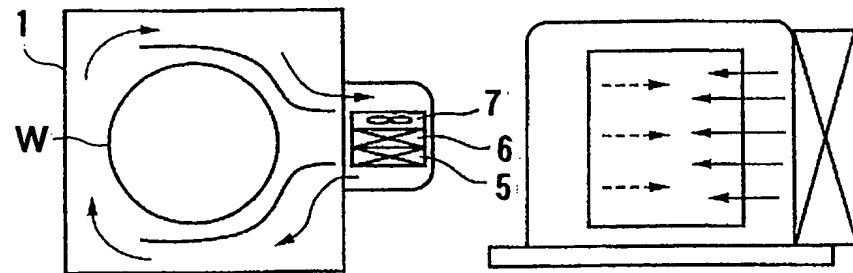


FIG. 22

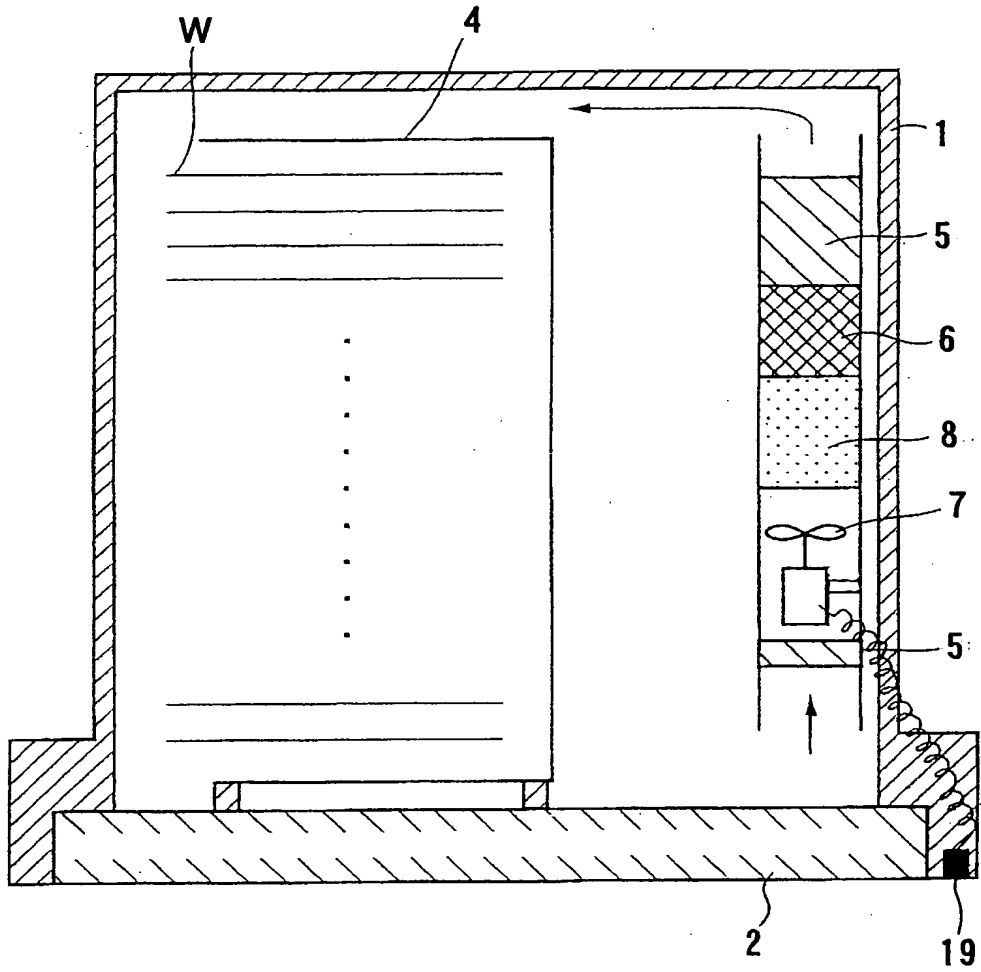


FIG. 23A

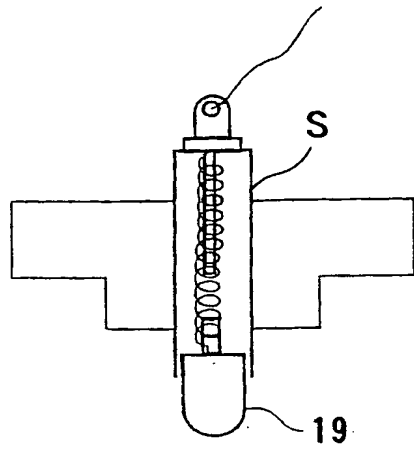


FIG. 23B

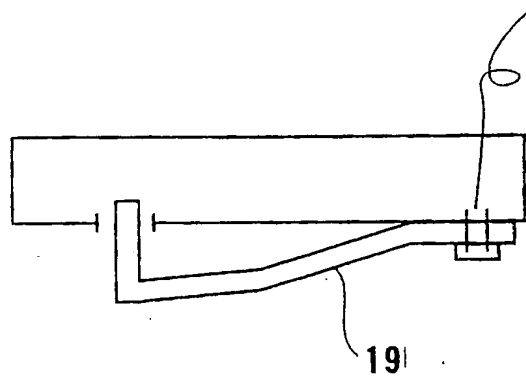


FIG. 24

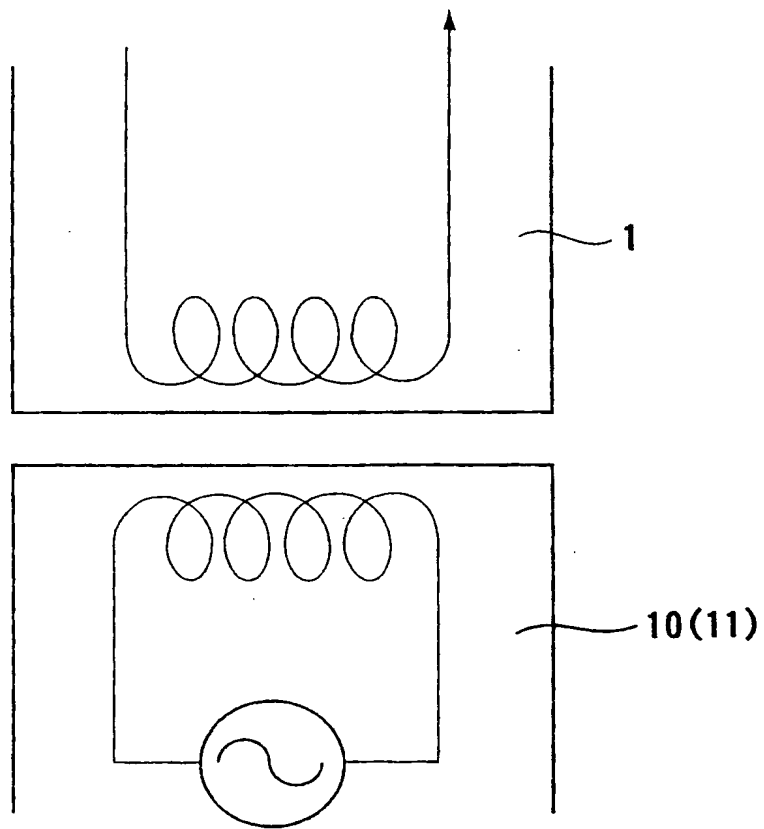


FIG. 25

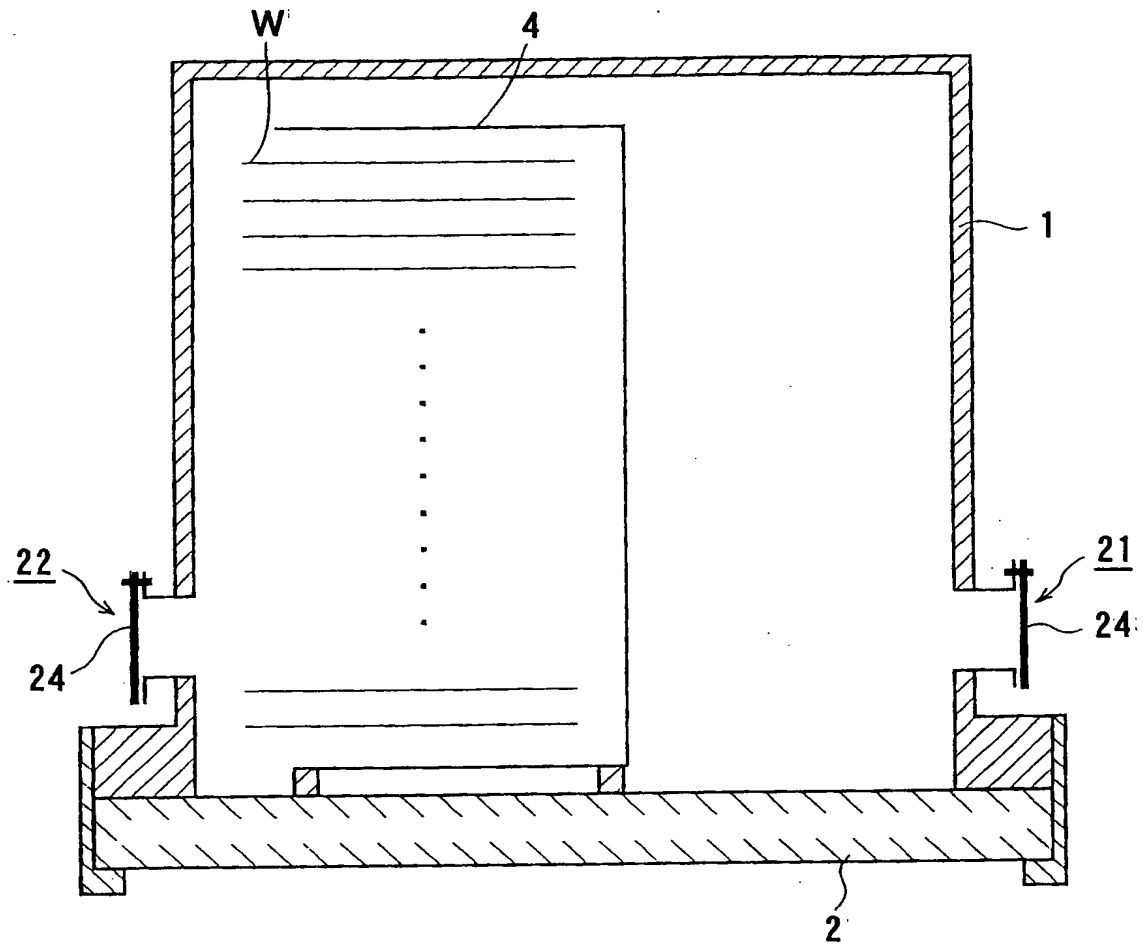


FIG. 26

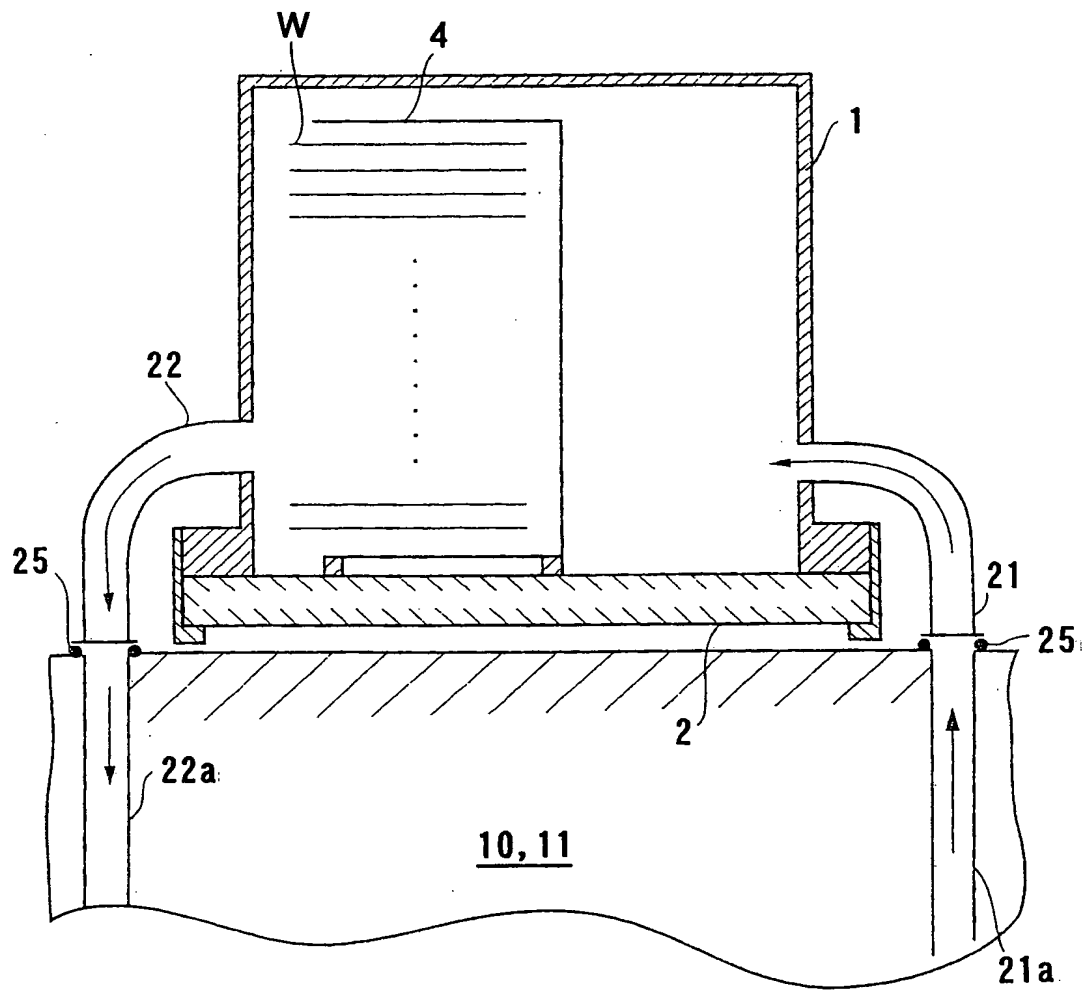


FIG. 27A

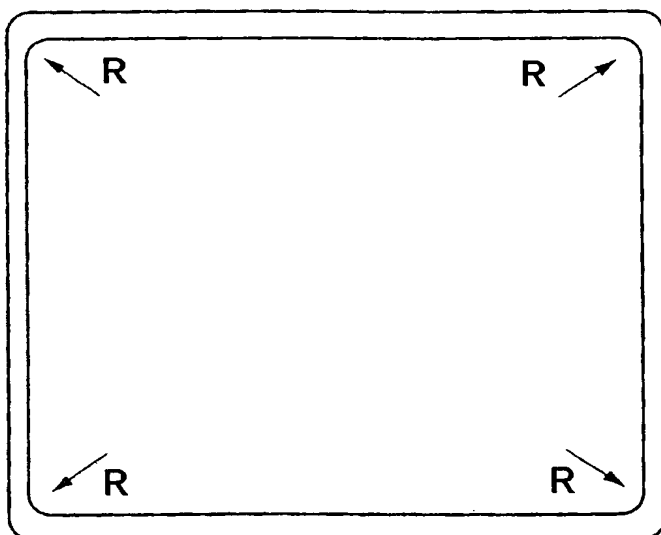


FIG. 27B

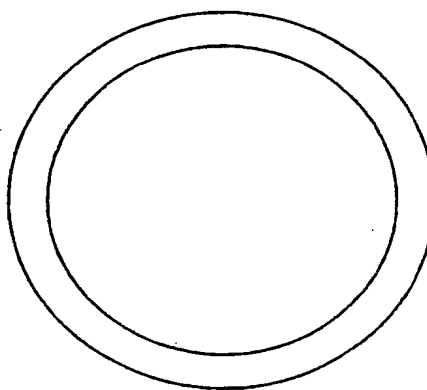


FIG. 28

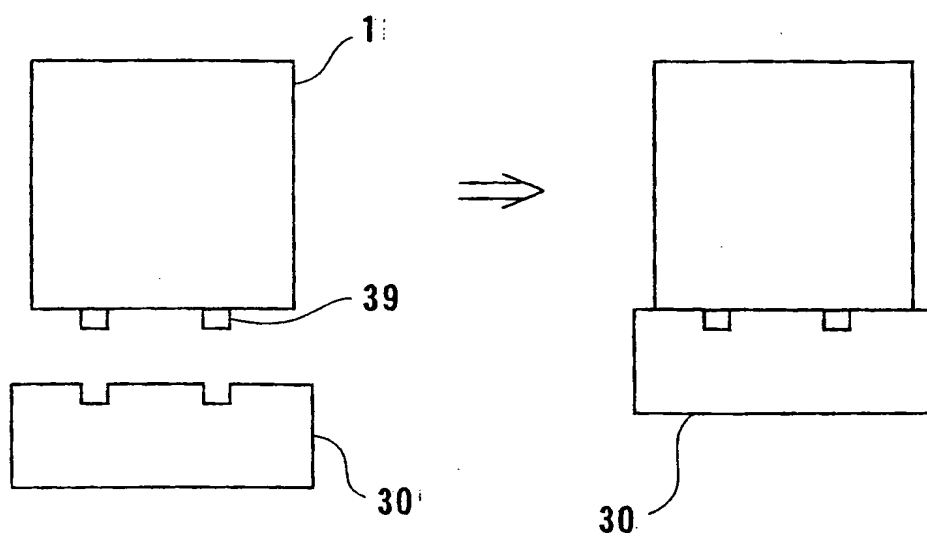


FIG. 29A

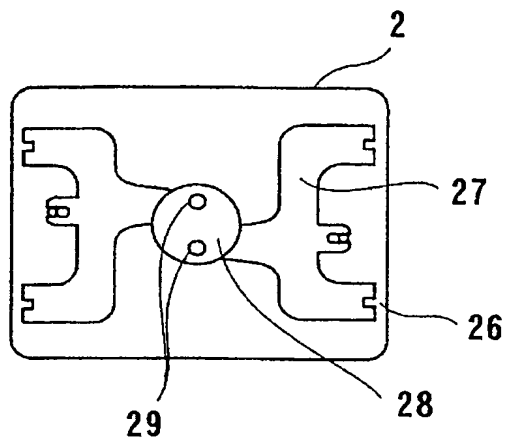


FIG. 29B

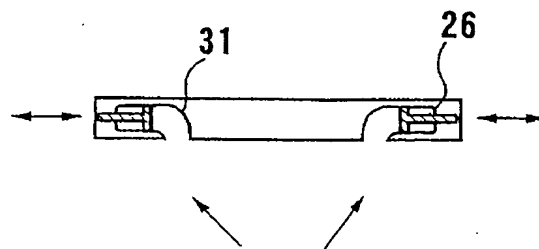


FIG. 29C

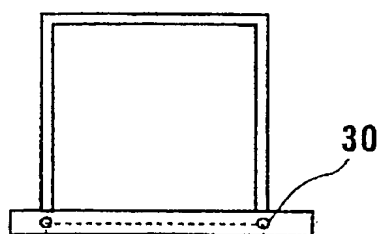


FIG. 29D

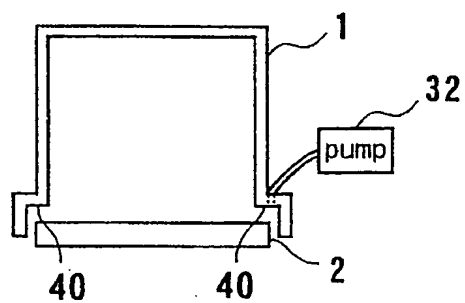


FIG. 29E

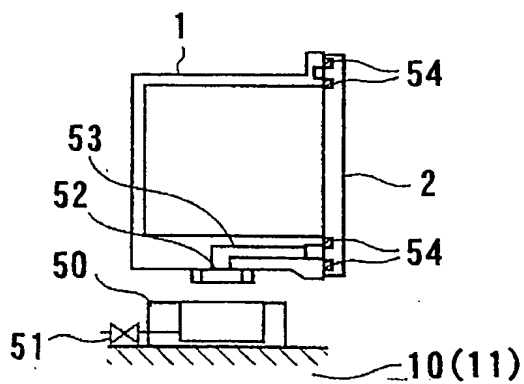


FIG. 29F

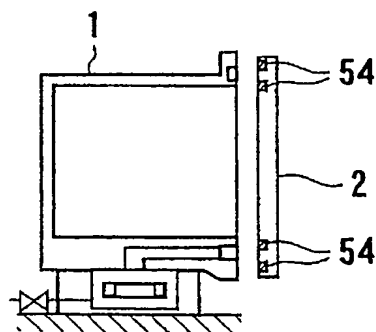


FIG. 30

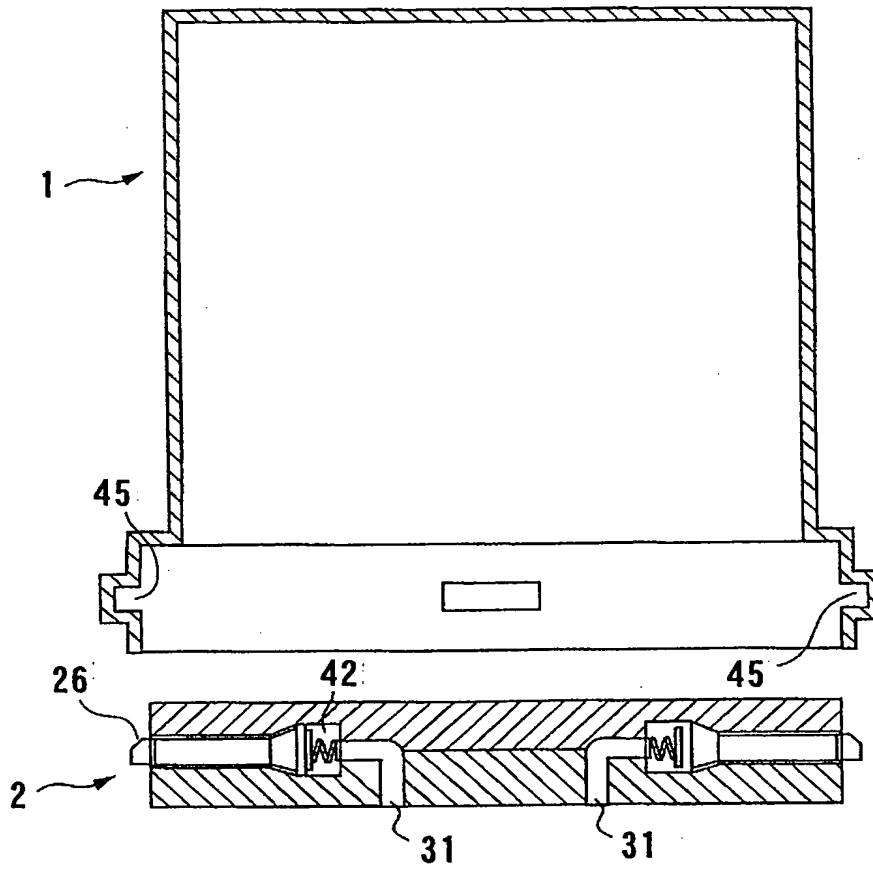


FIG. 31A

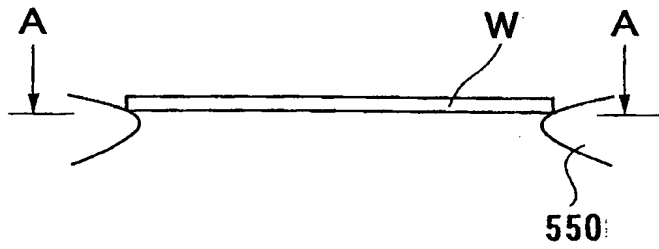


FIG. 31B

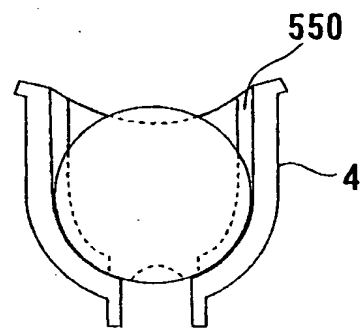


FIG. 32A

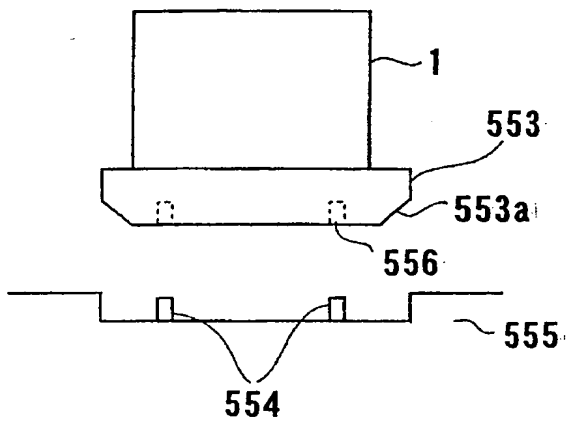


FIG. 32B

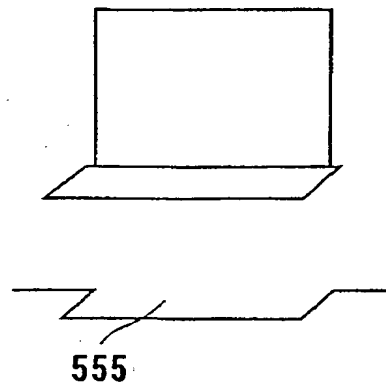


FIG. 32C

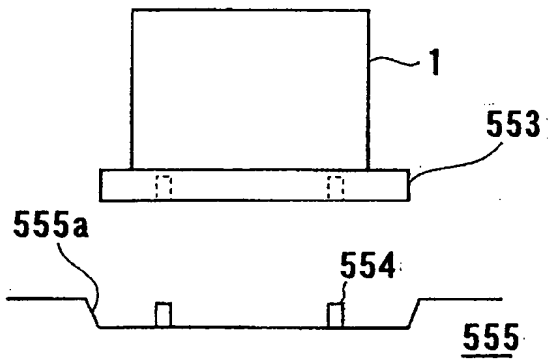


FIG. 33A

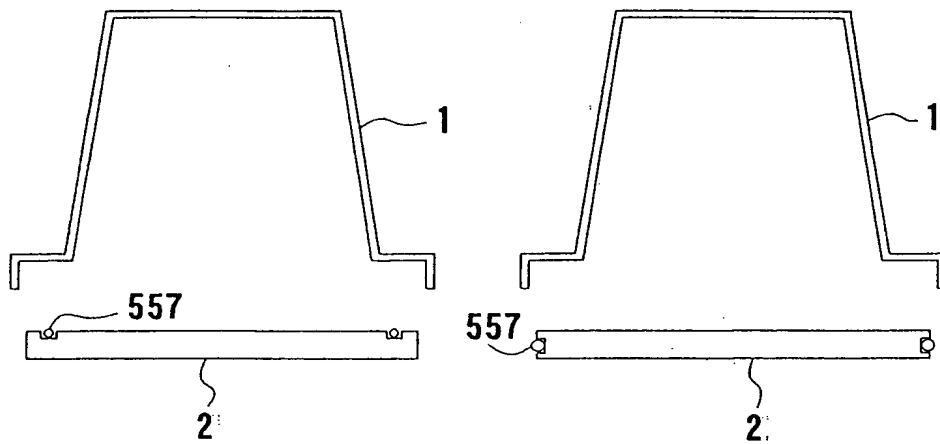


FIG. 33B

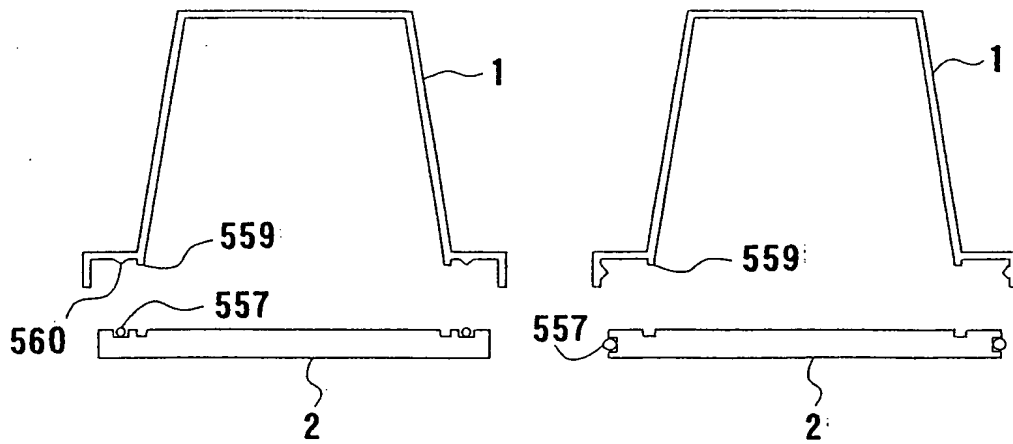


FIG. 34A

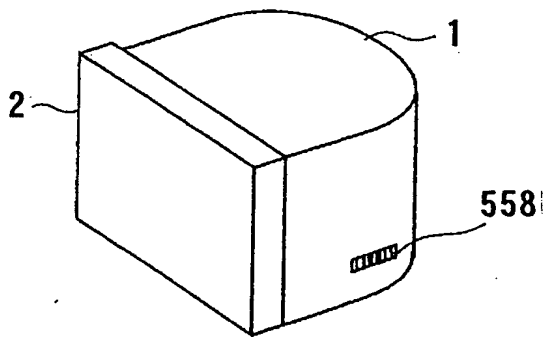


FIG. 34B

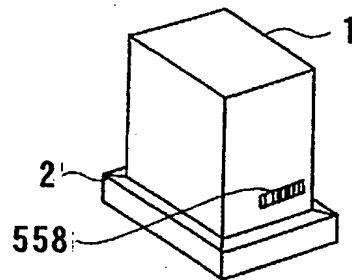


FIG. 35A

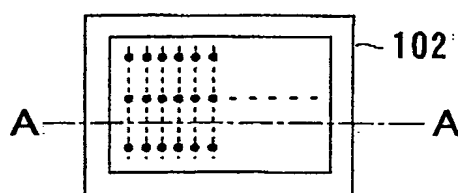


FIG. 35B

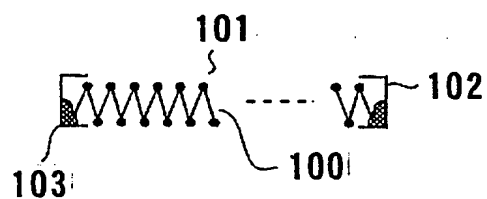


FIG. 35C



FIG. 36A

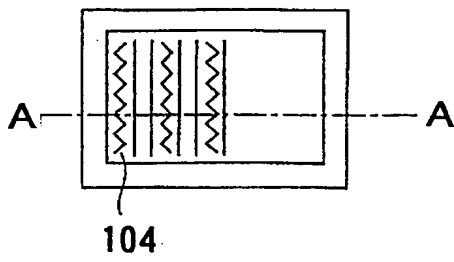


FIG. 36B

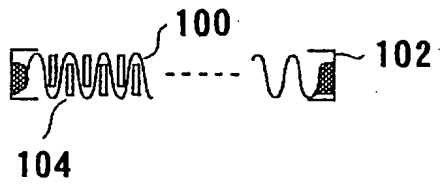


FIG. 36C



FIG. 37

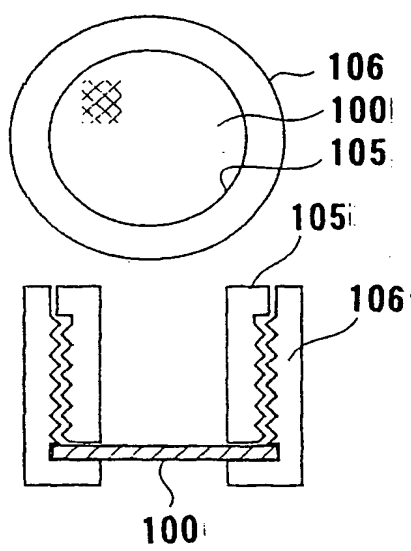


FIG. 38

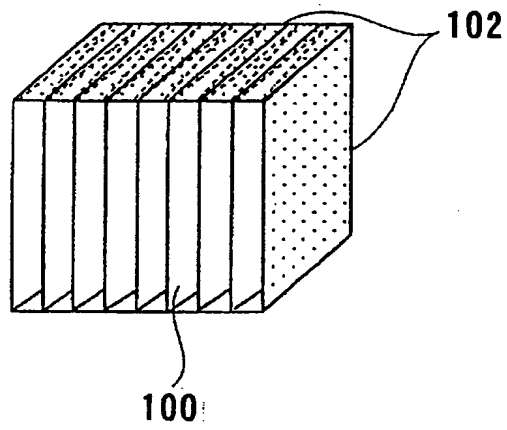


FIG. 39

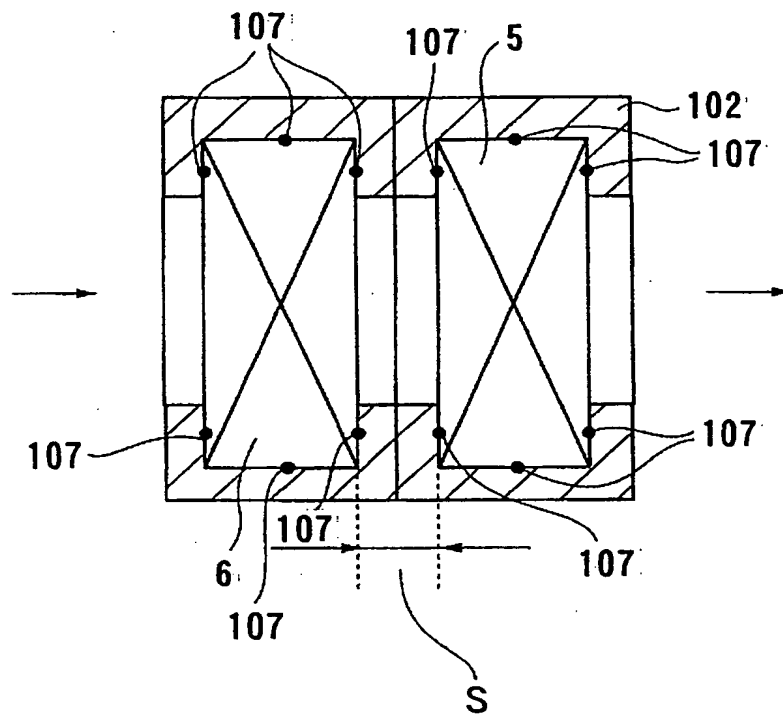


FIG. 40A

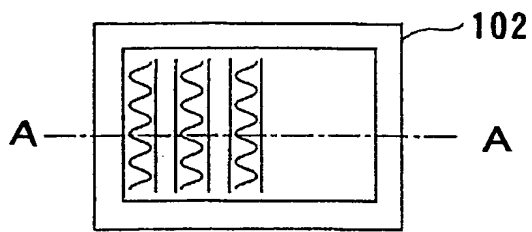


FIG. 40B

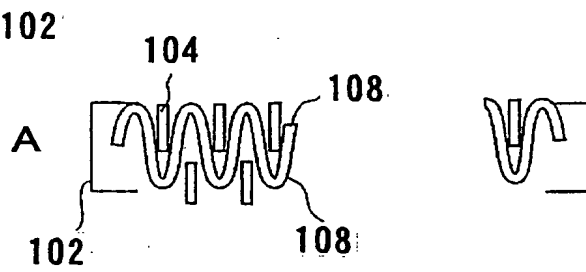


FIG. 40C



41/101

FIG. 41

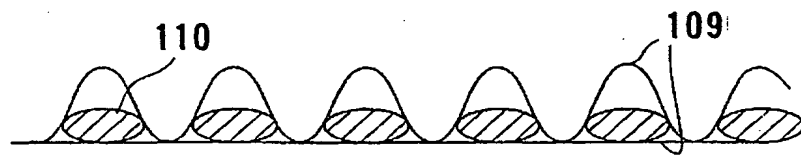


FIG. 42A

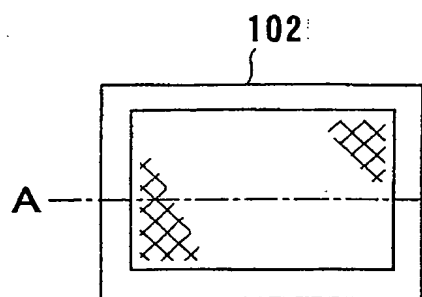


FIG. 42B

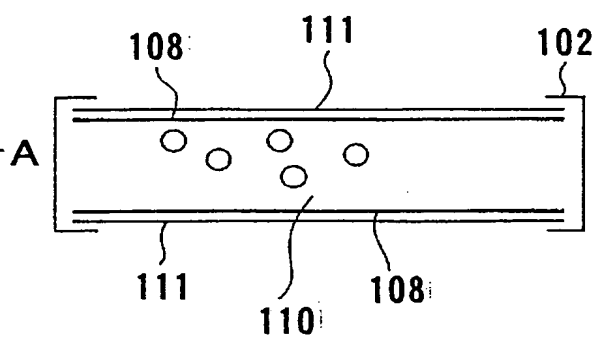


FIG. 42C



FIG. 43A

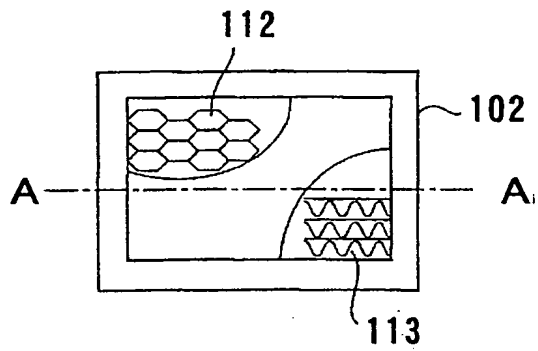


FIG. 43B

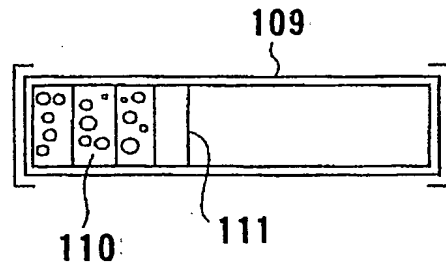


FIG. 43C



FIG. 44A

FIG. 44B

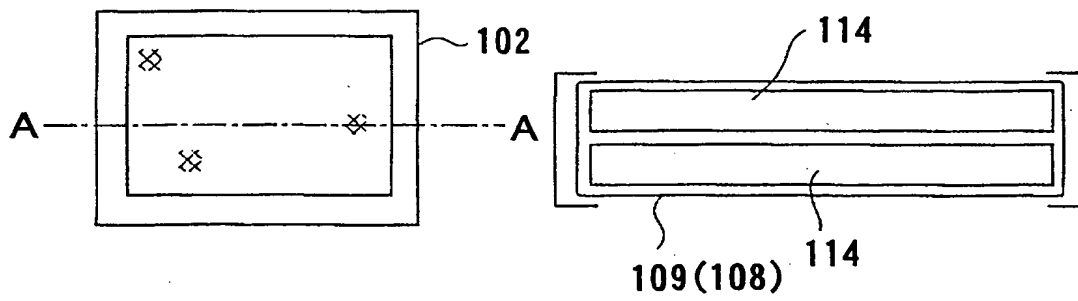


FIG. 44C



FIG. 45A

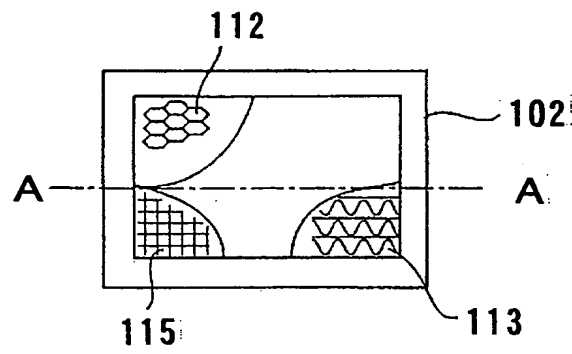


FIG. 45B

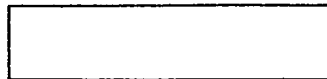


FIG. 46A

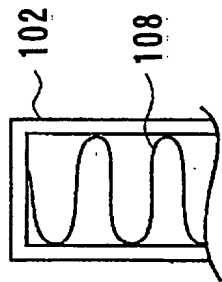


FIG. 46C

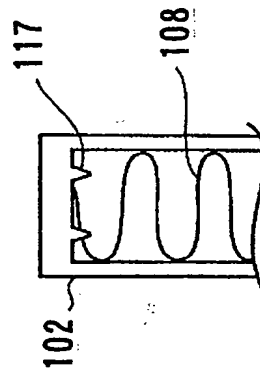


FIG. 46B

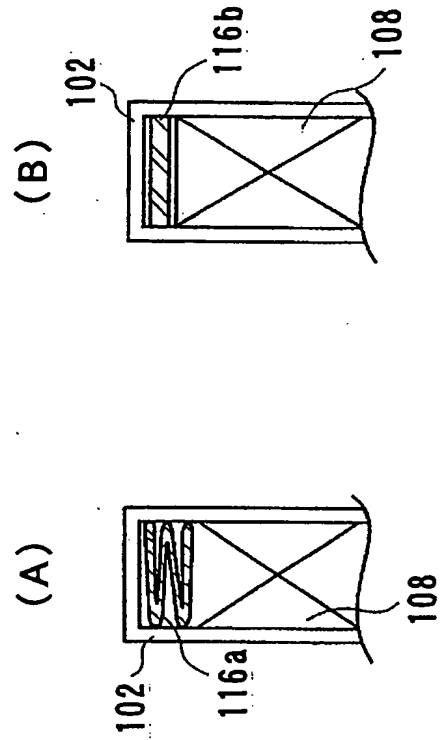
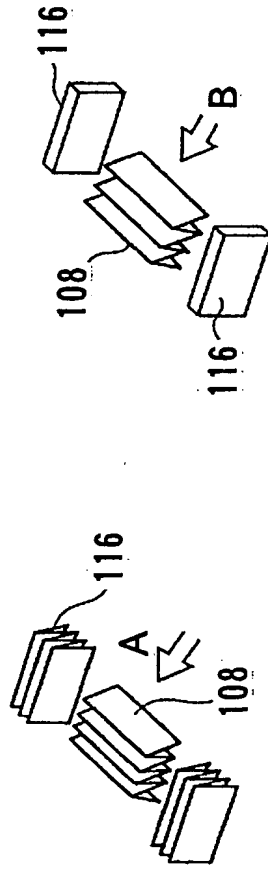


FIG. 47

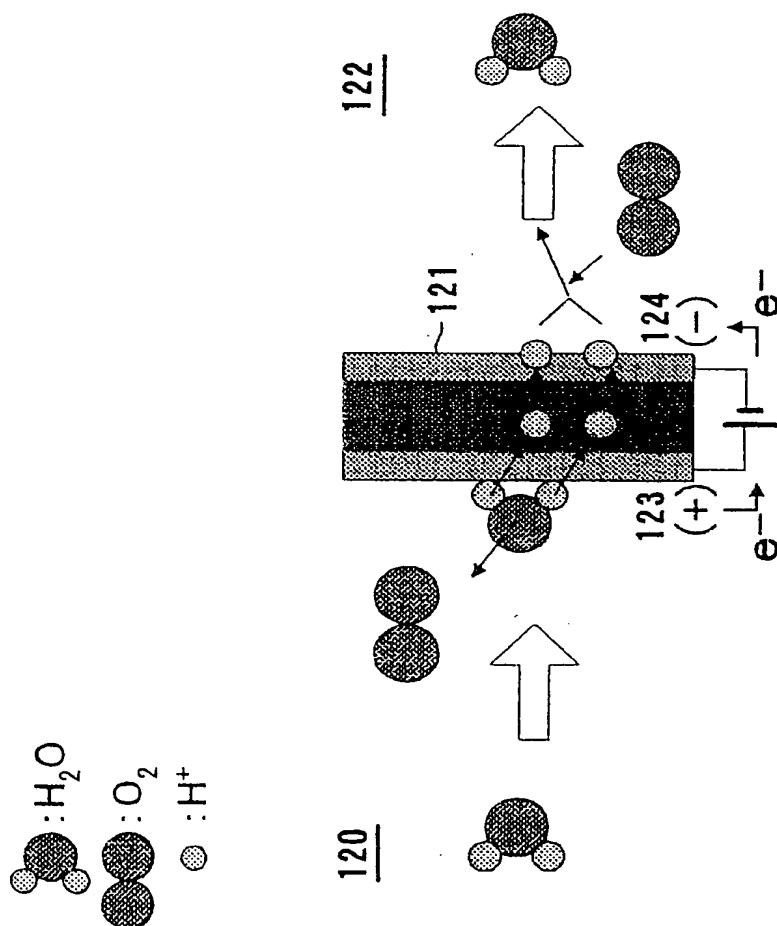


FIG. 48

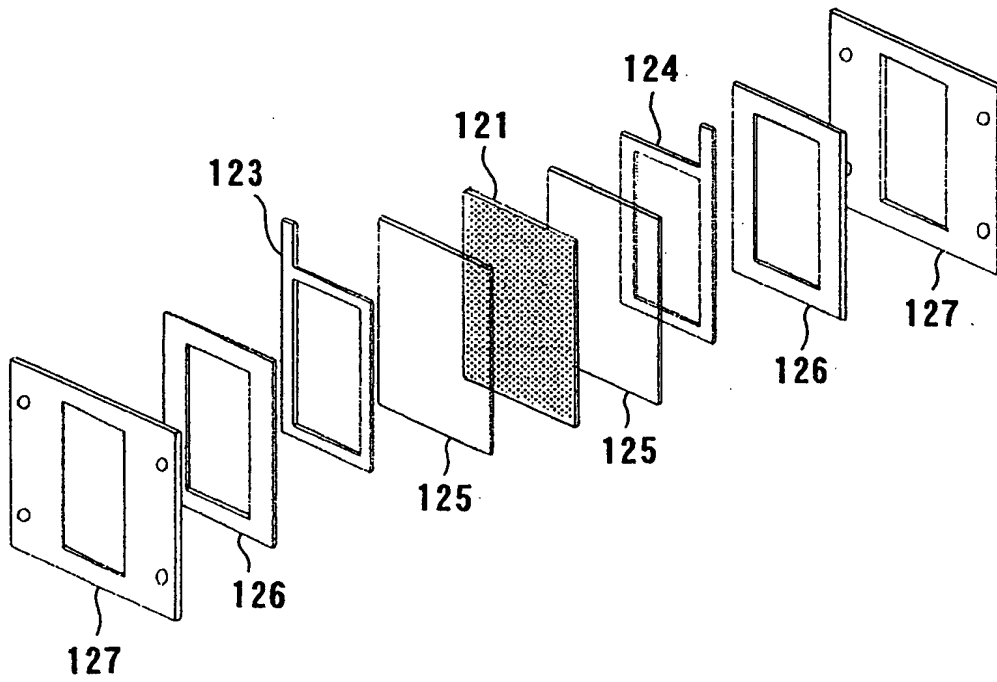


FIG. 49

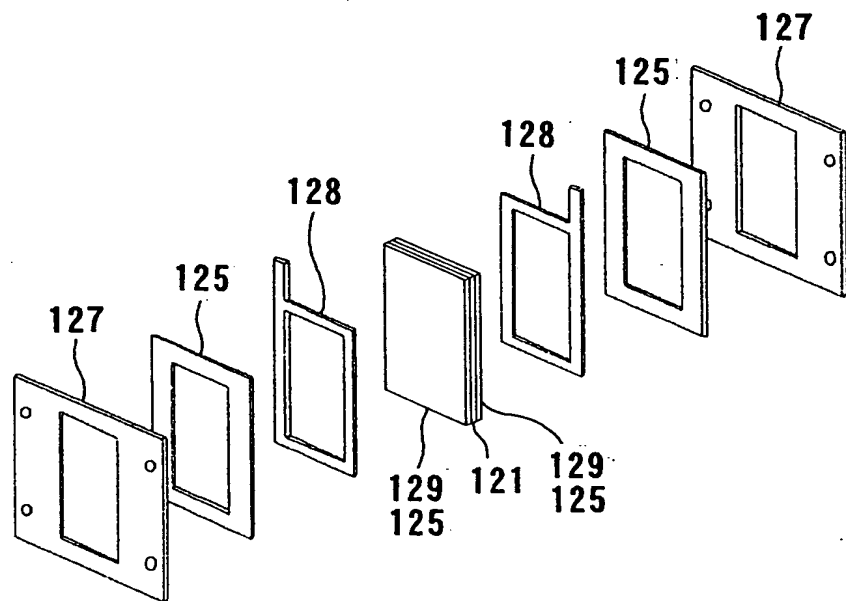


FIG. 50

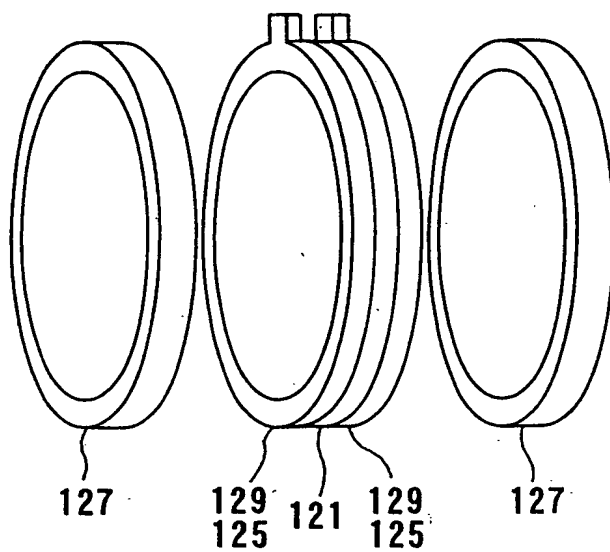
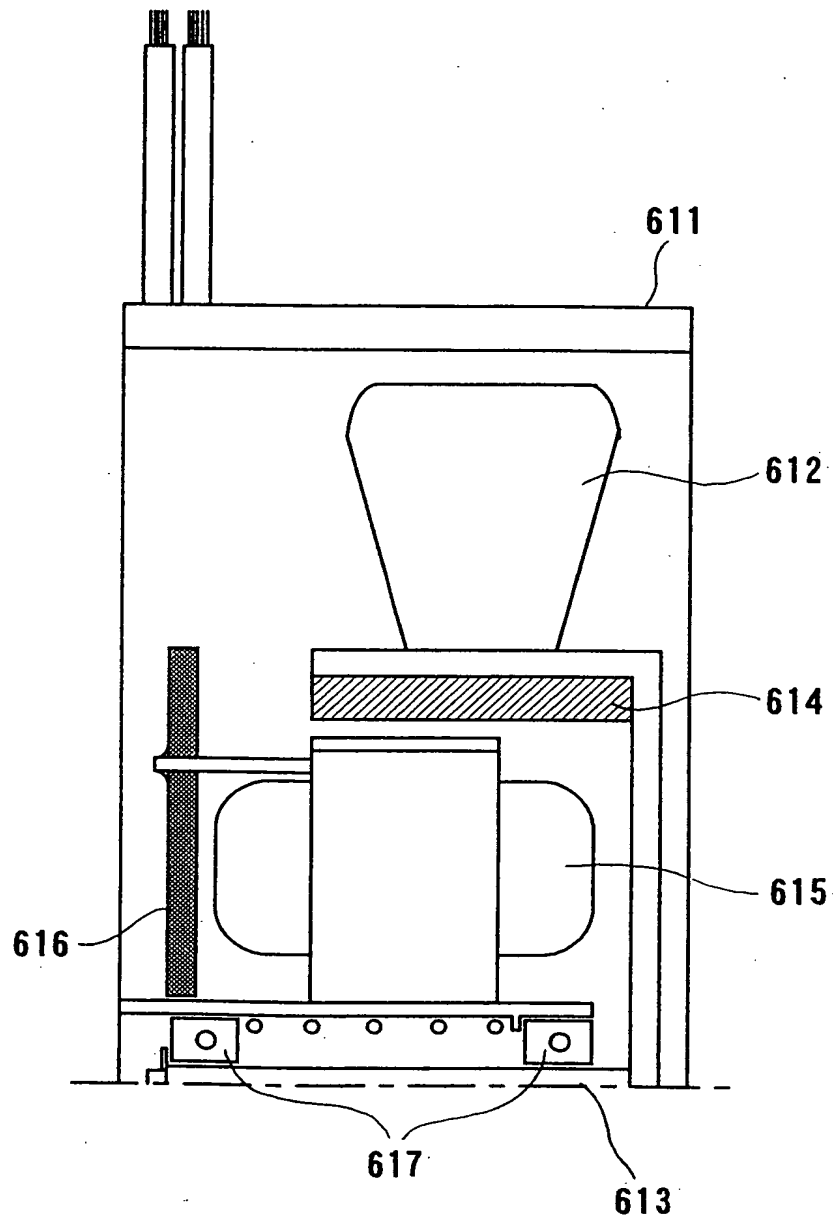
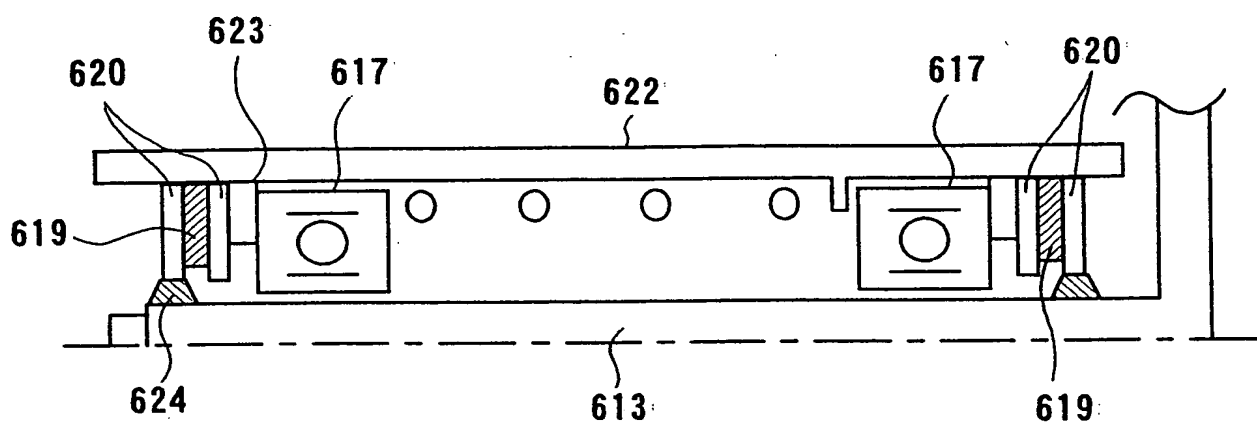


FIG. 51



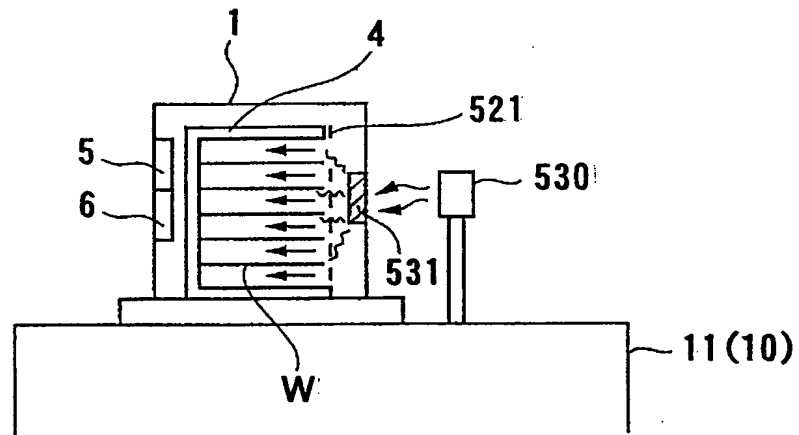
52/101

FIG. 52



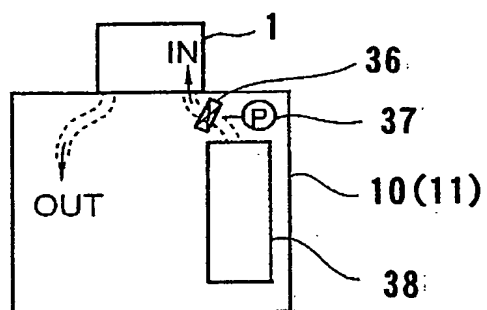
53/101

FIG. 53



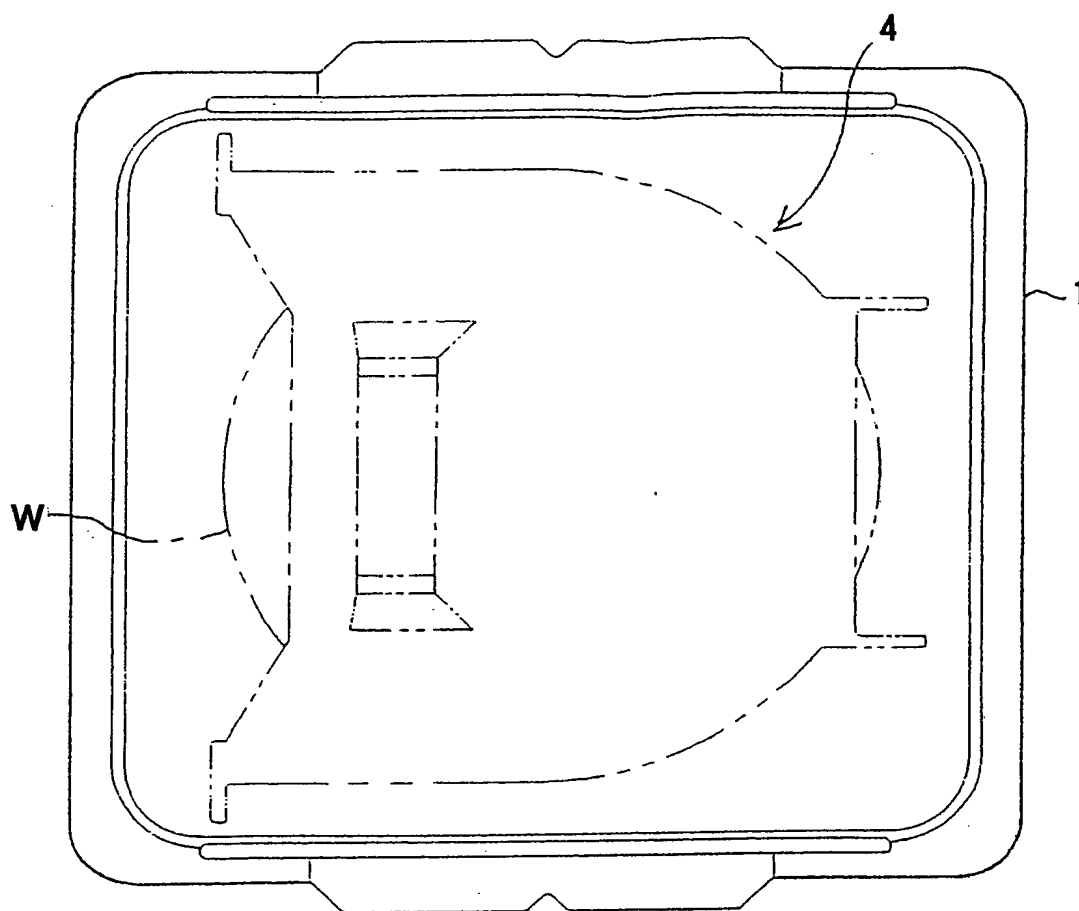
54/101

FIG. 54



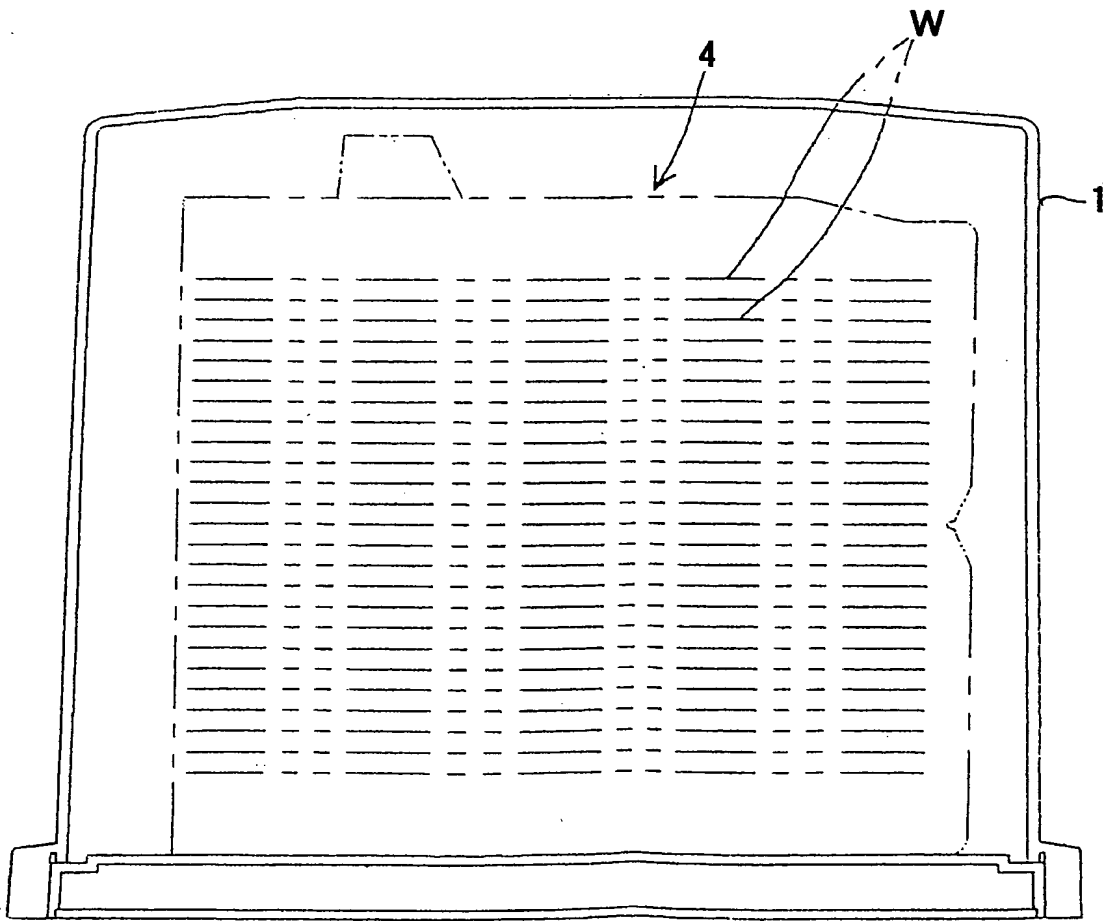
55/101

FIG. 55



56/101

FIG. 56



57/101

FIG. 57A

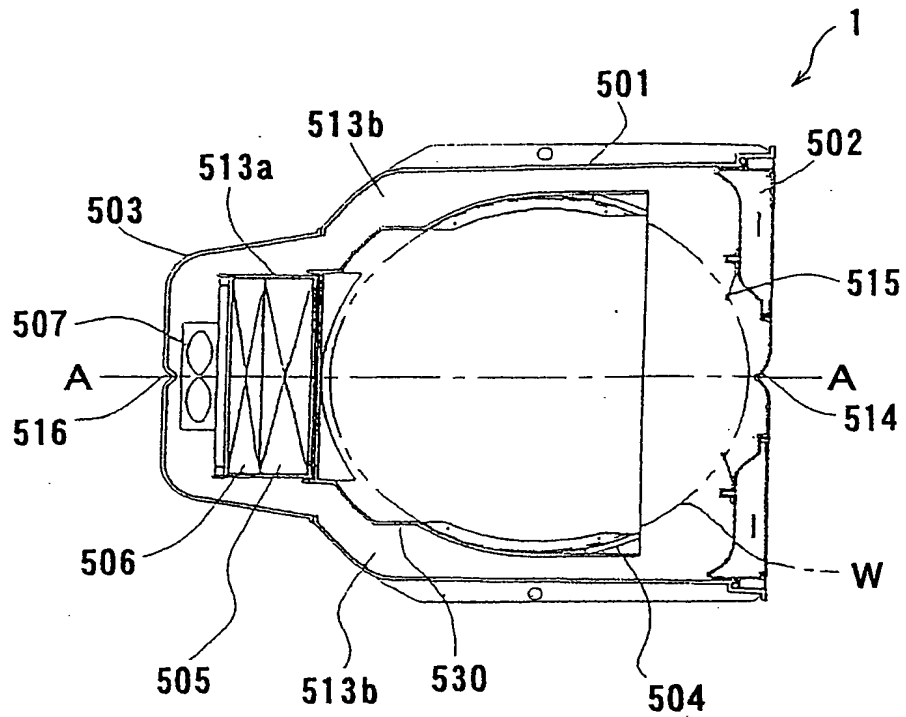


FIG. 57B

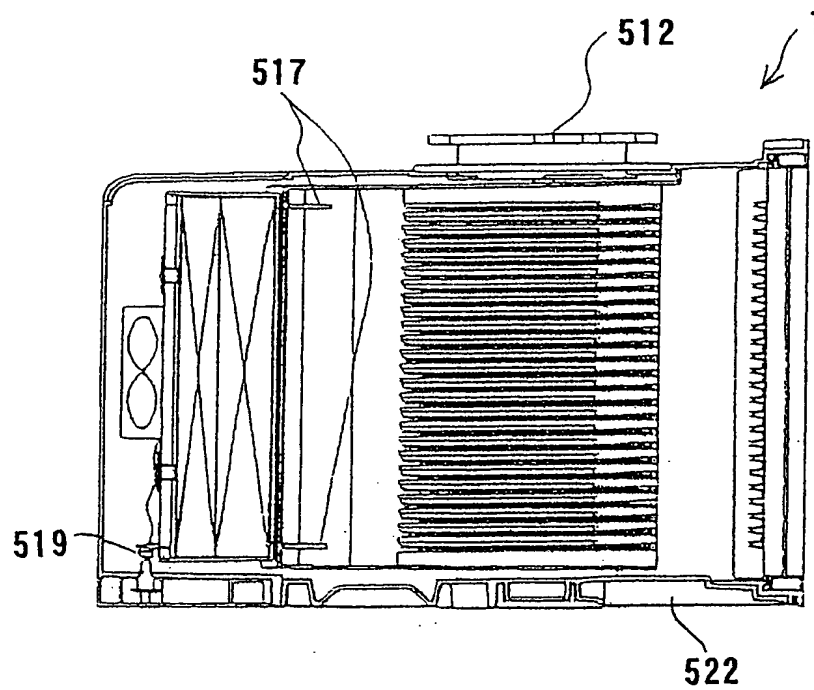


FIG. 58A

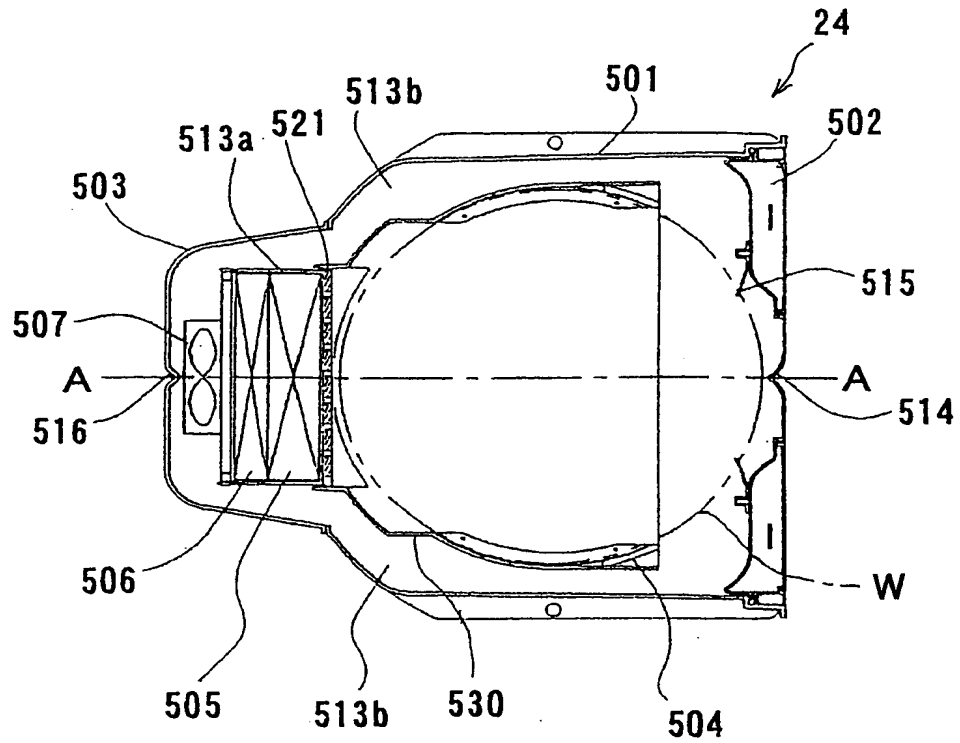
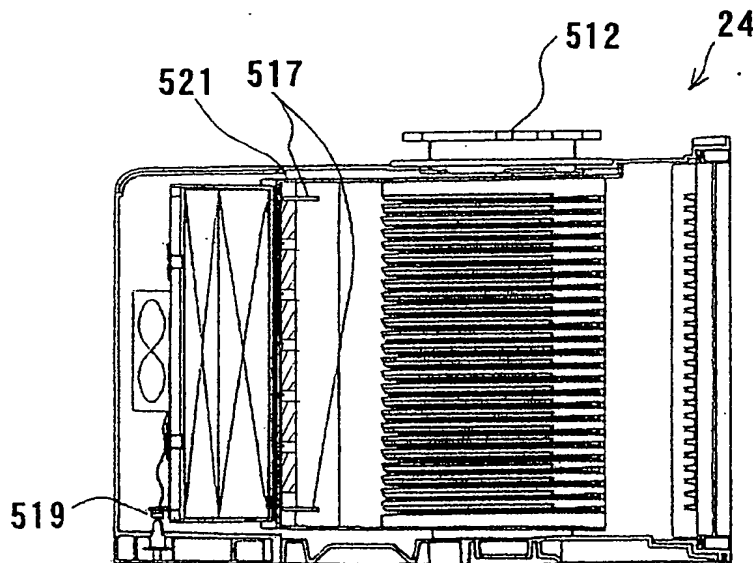


FIG. 58B



59/101

FIG. 59A

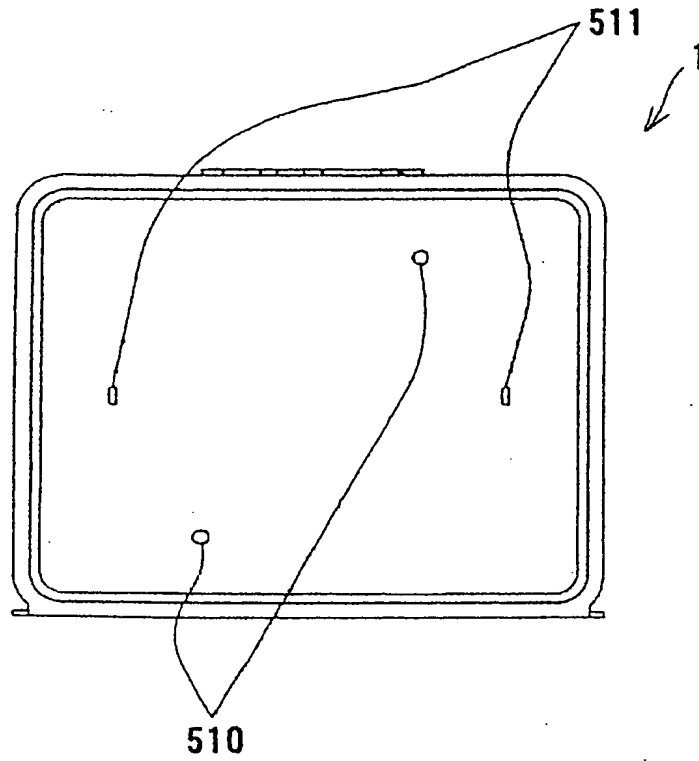


FIG. 59B

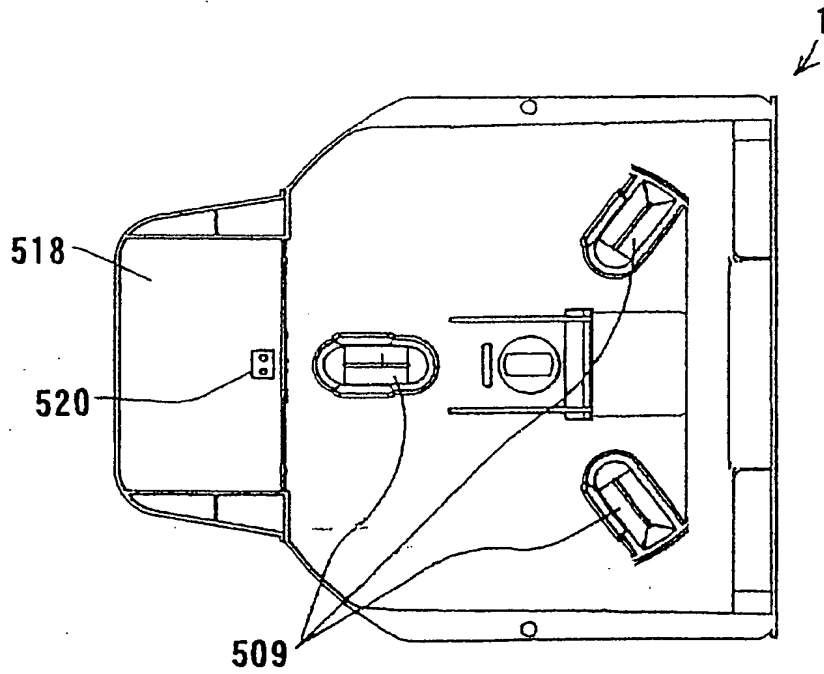


FIG. 60A

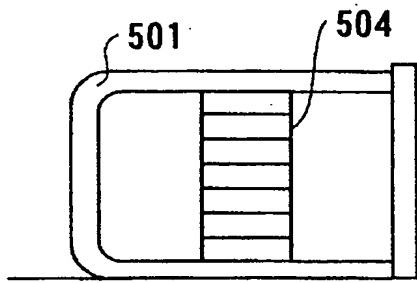


FIG. 60B

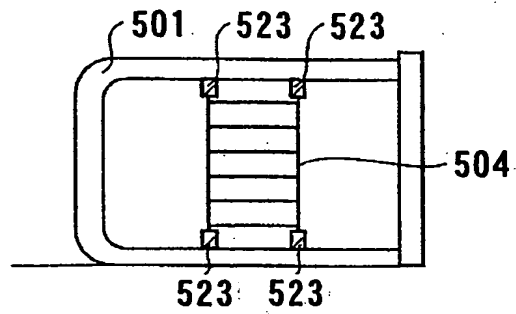


FIG. 60C

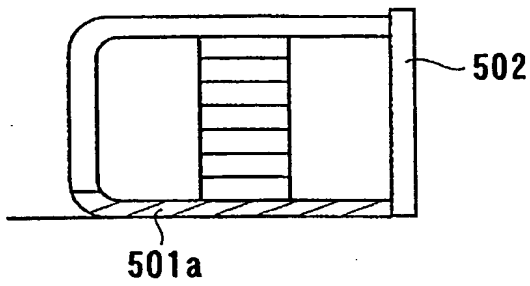


FIG. 60D

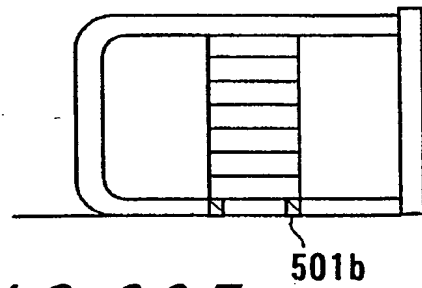


FIG. 60E

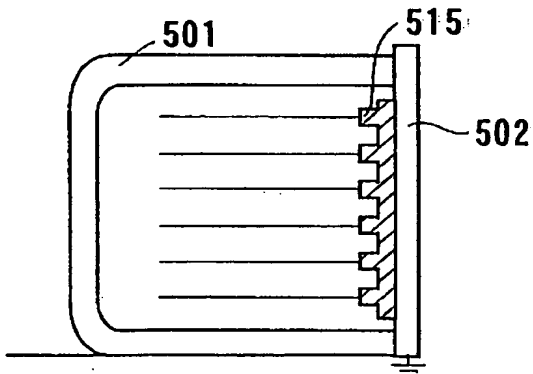


FIG. 60F

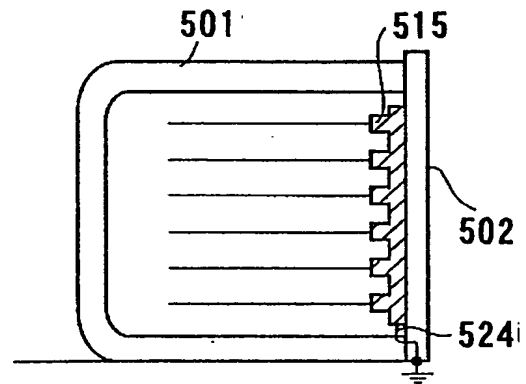


FIG. 60G

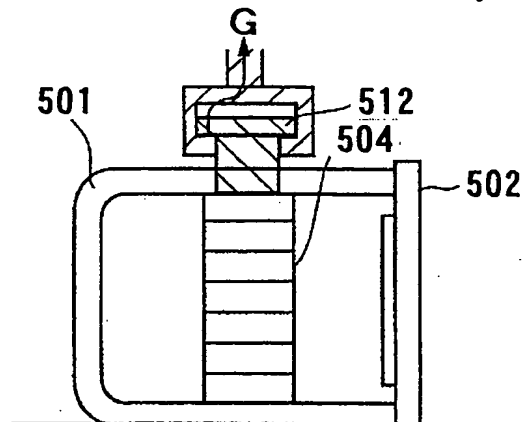
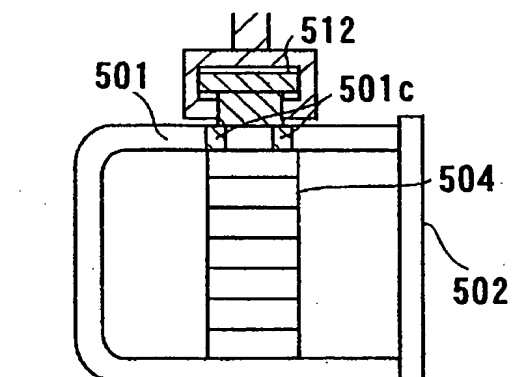
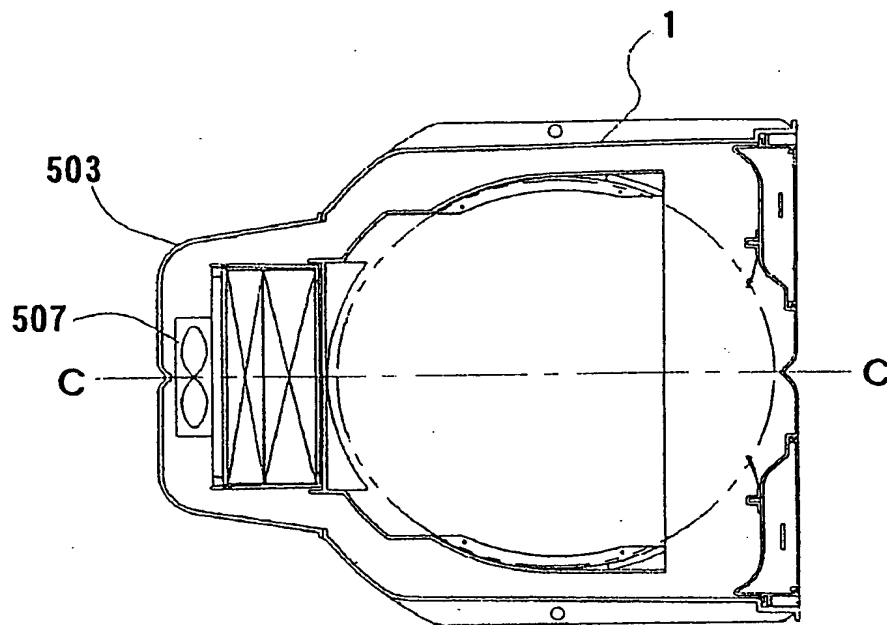


FIG. 60H



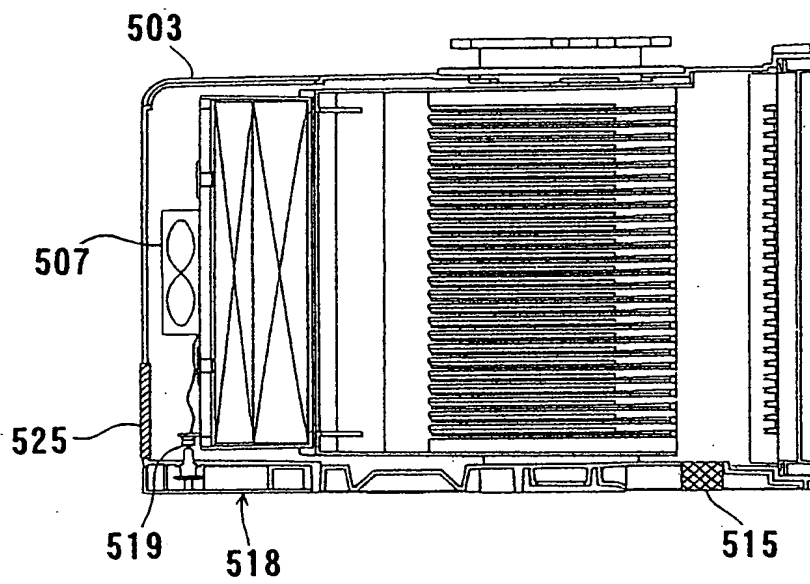
61/101

FIG. 61



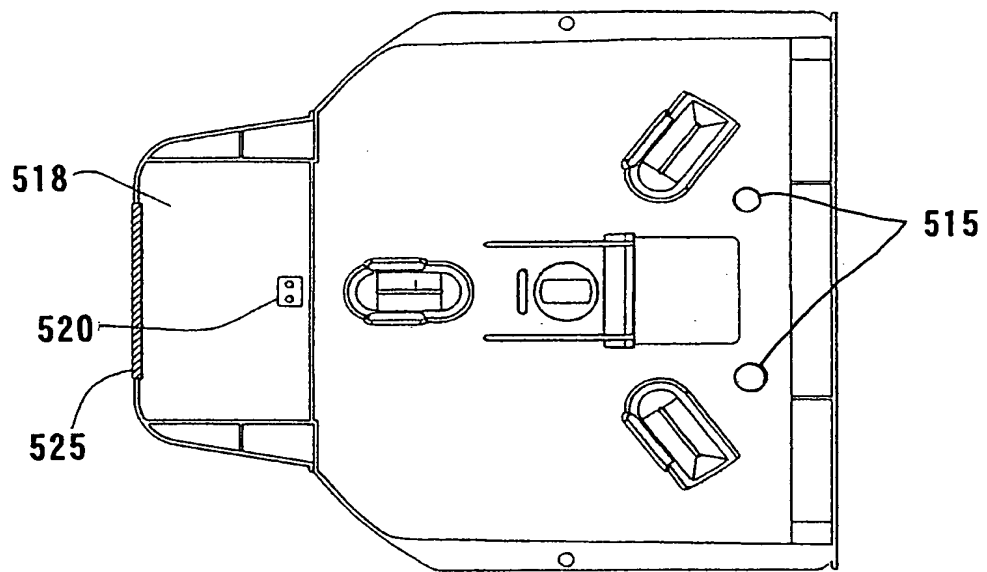
62/101

FIG. 62



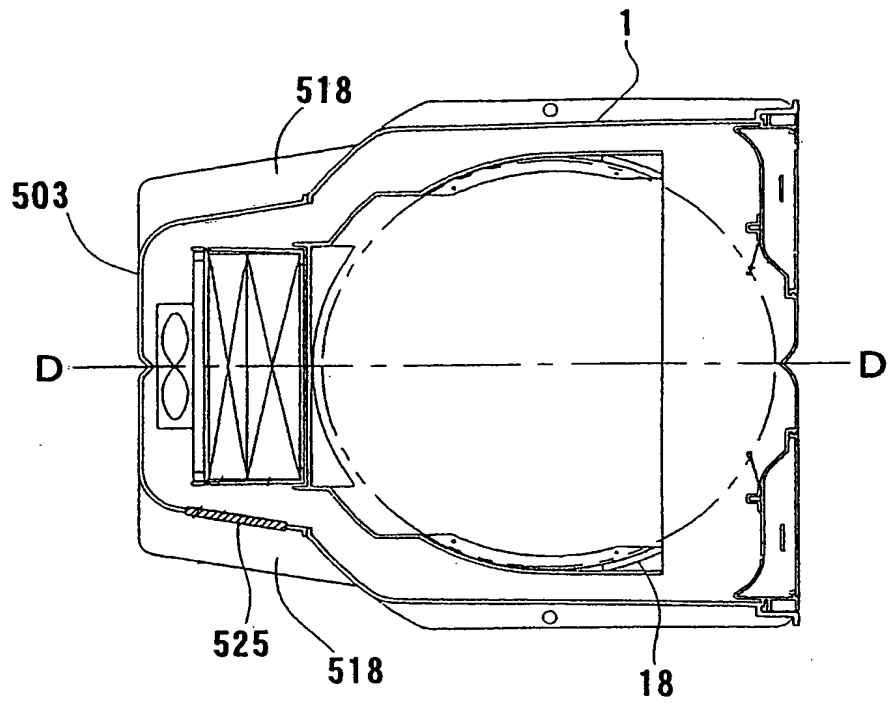
63/101

FIG. 63



64/101

FIG. 64



65/101

FIG. 65

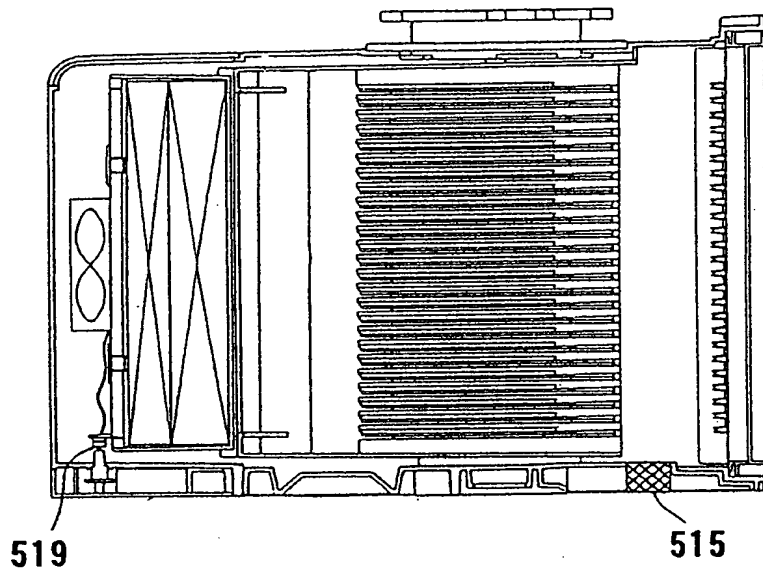
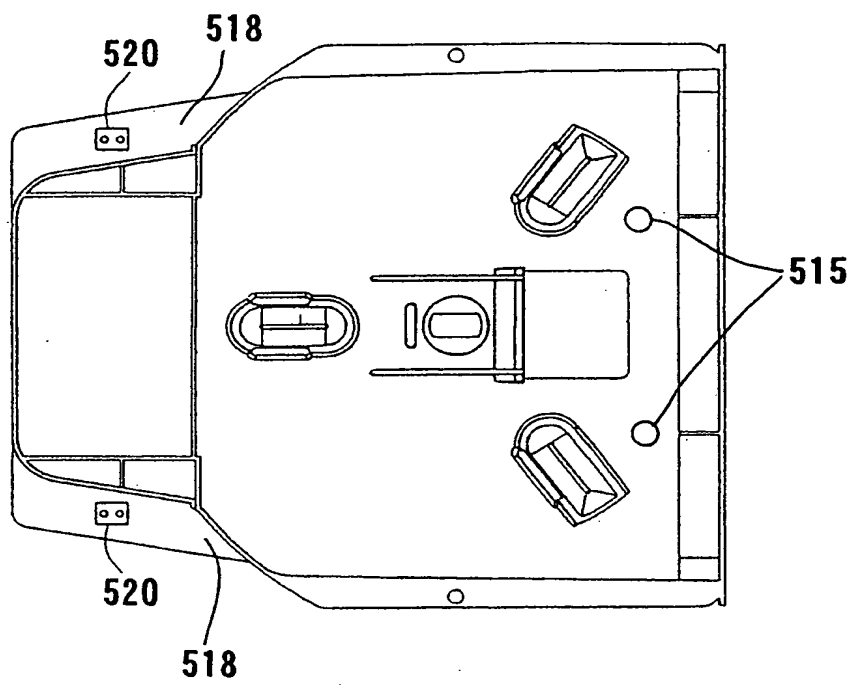
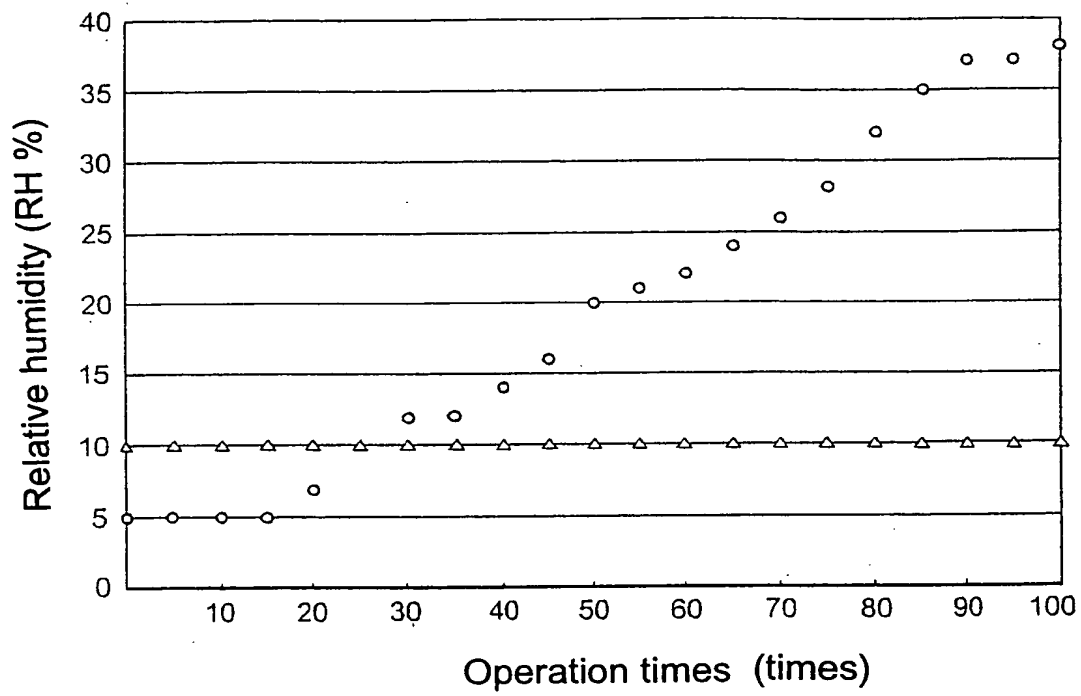


FIG. 66



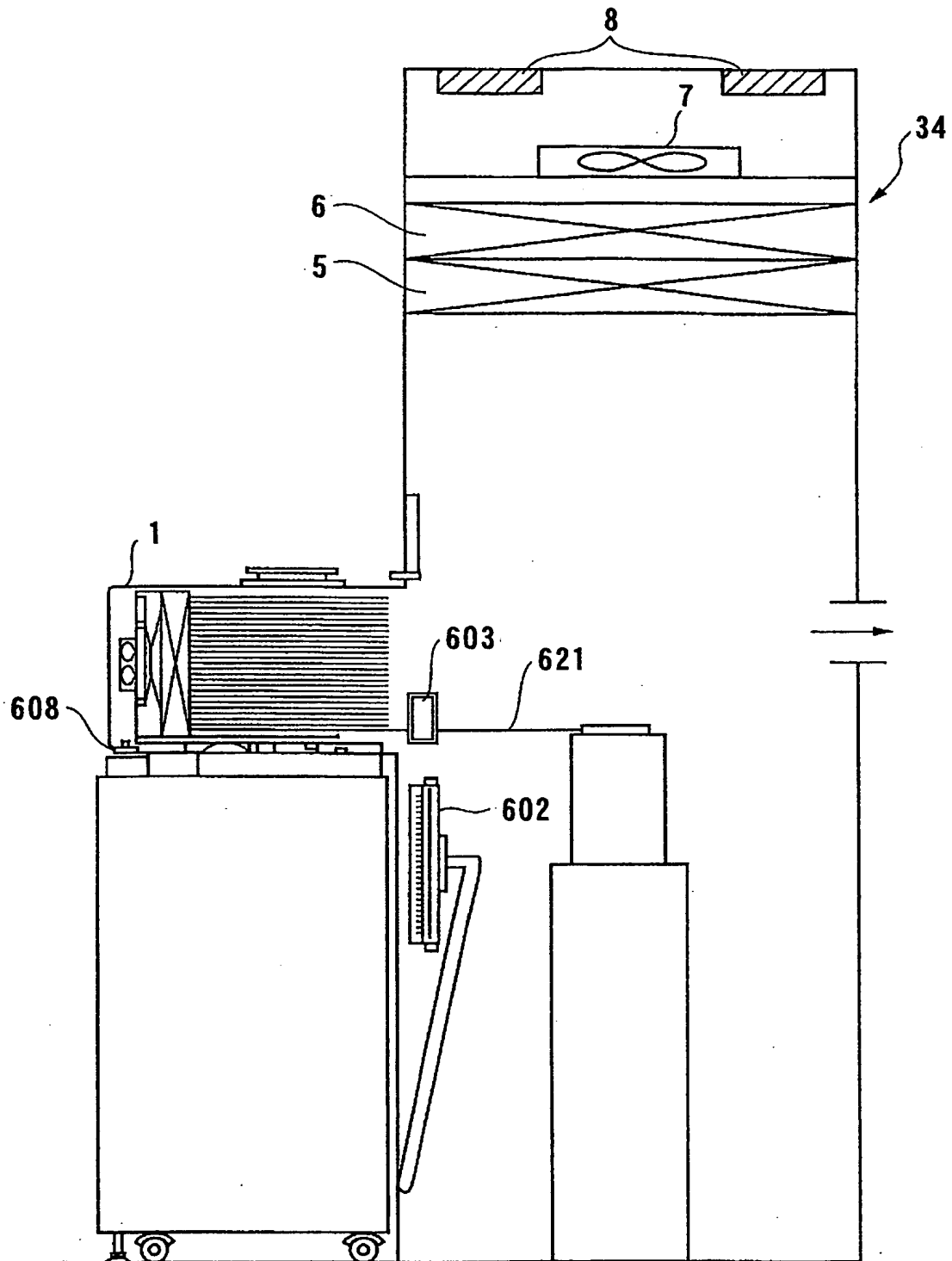
67/101

FIG. 67



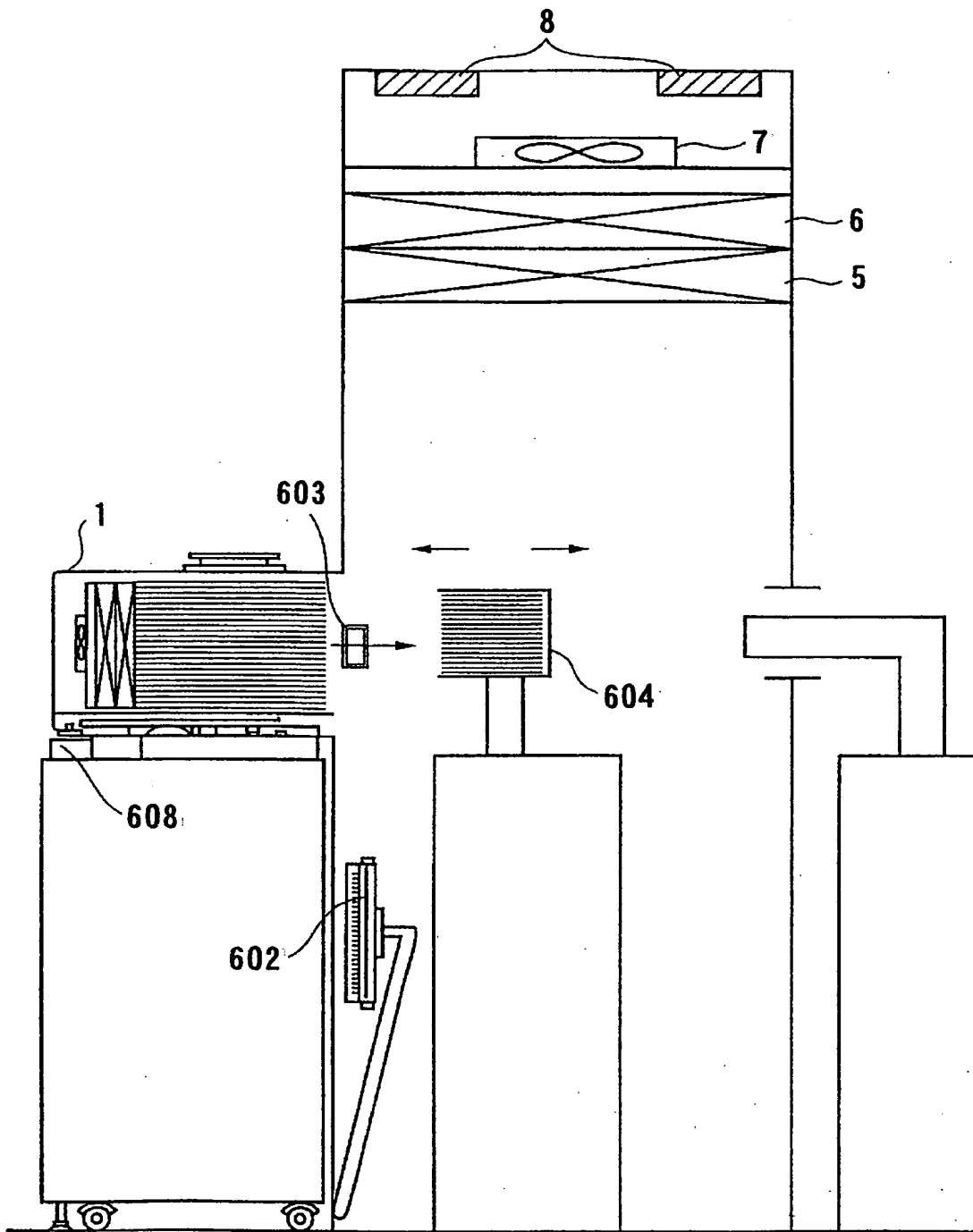
68/101

FIG. 68



69/101

FIG. 69



70/101

FIG. 70A

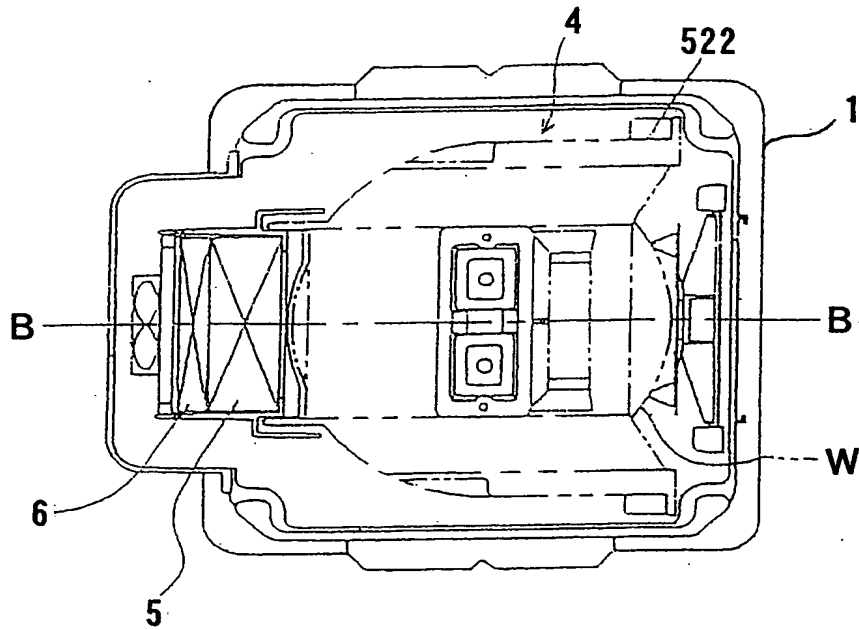
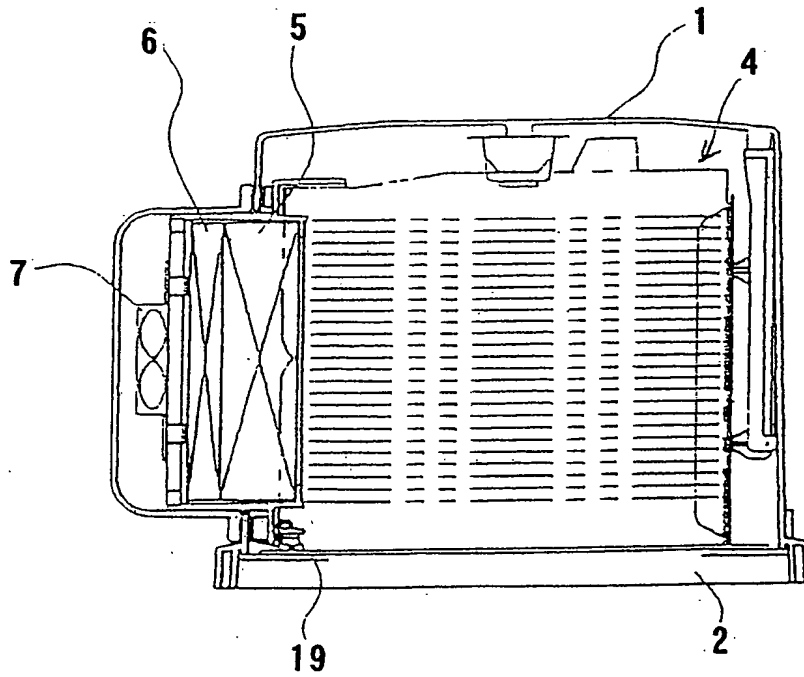


FIG. 70B



71/101

FIG. 71A

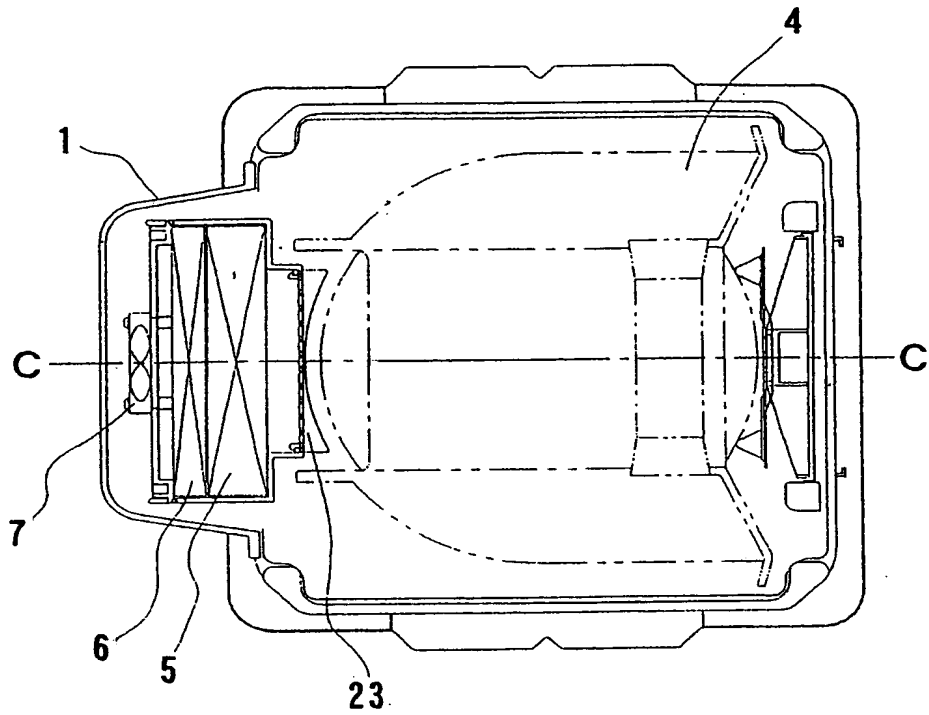
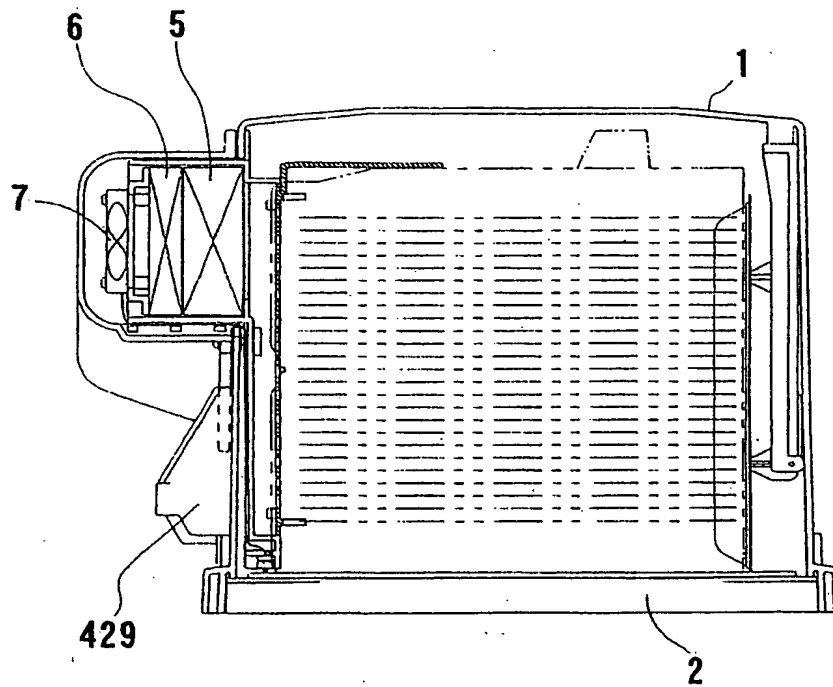
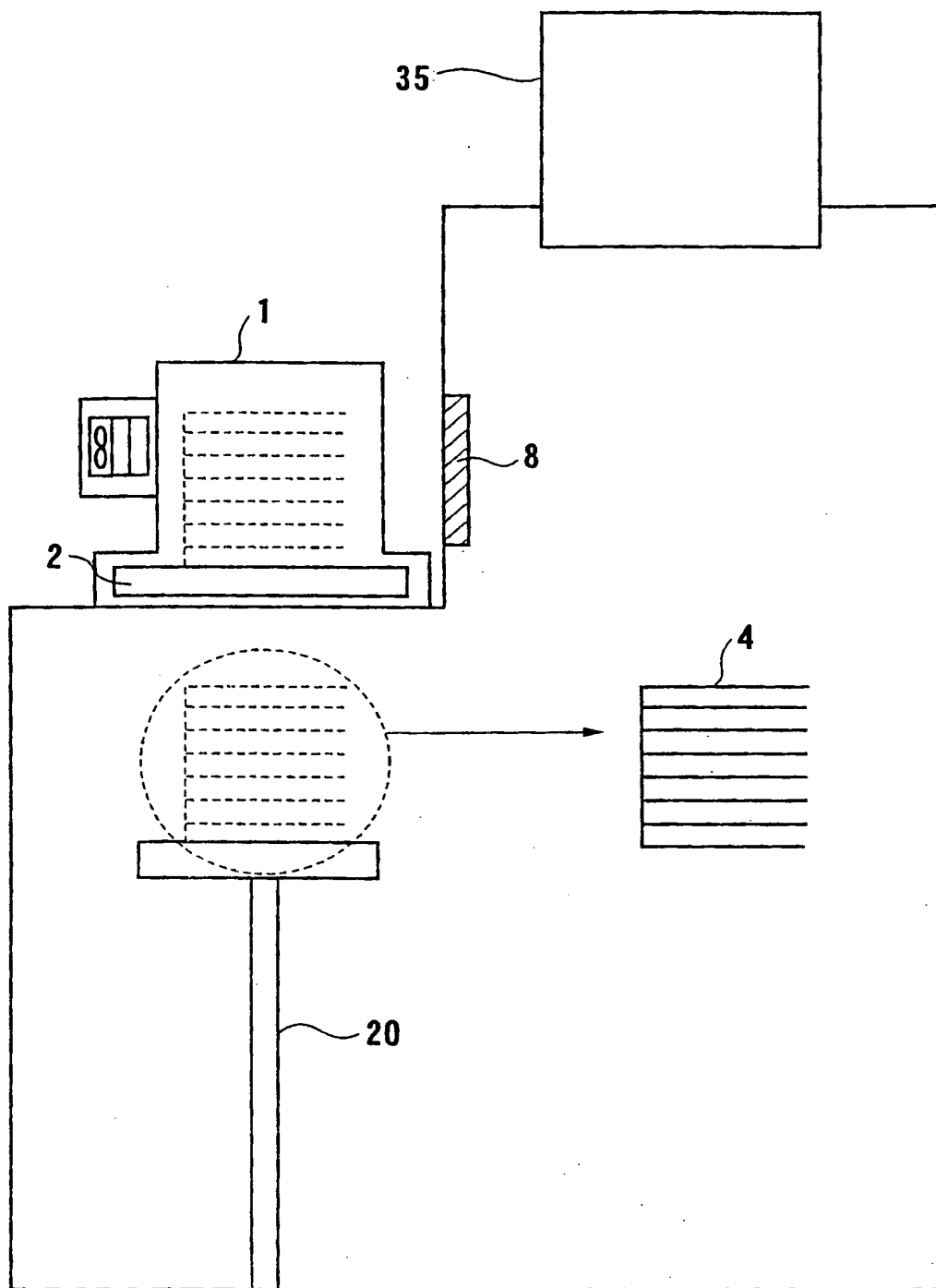


FIG. 71B



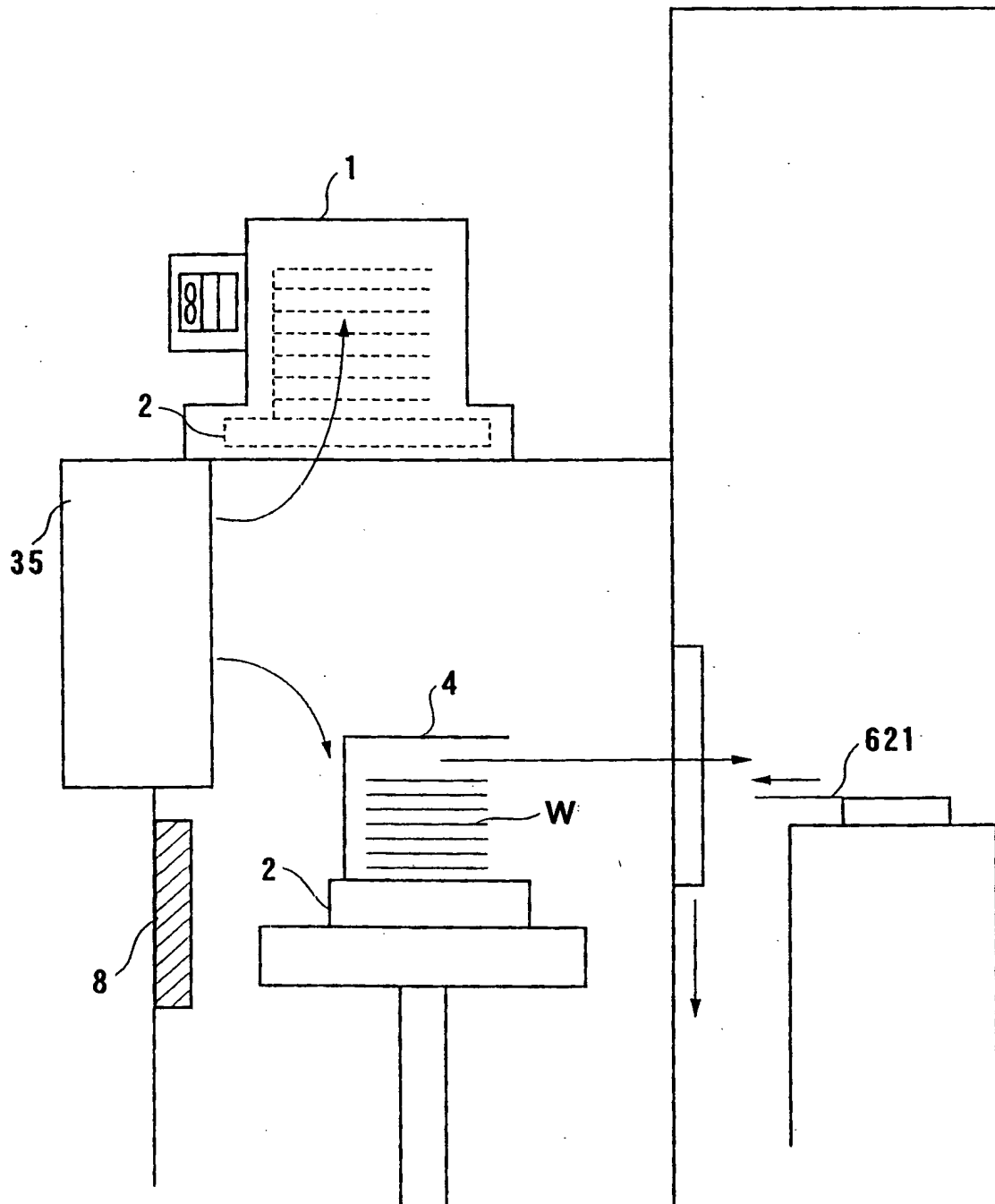
72/101

FIG. 72



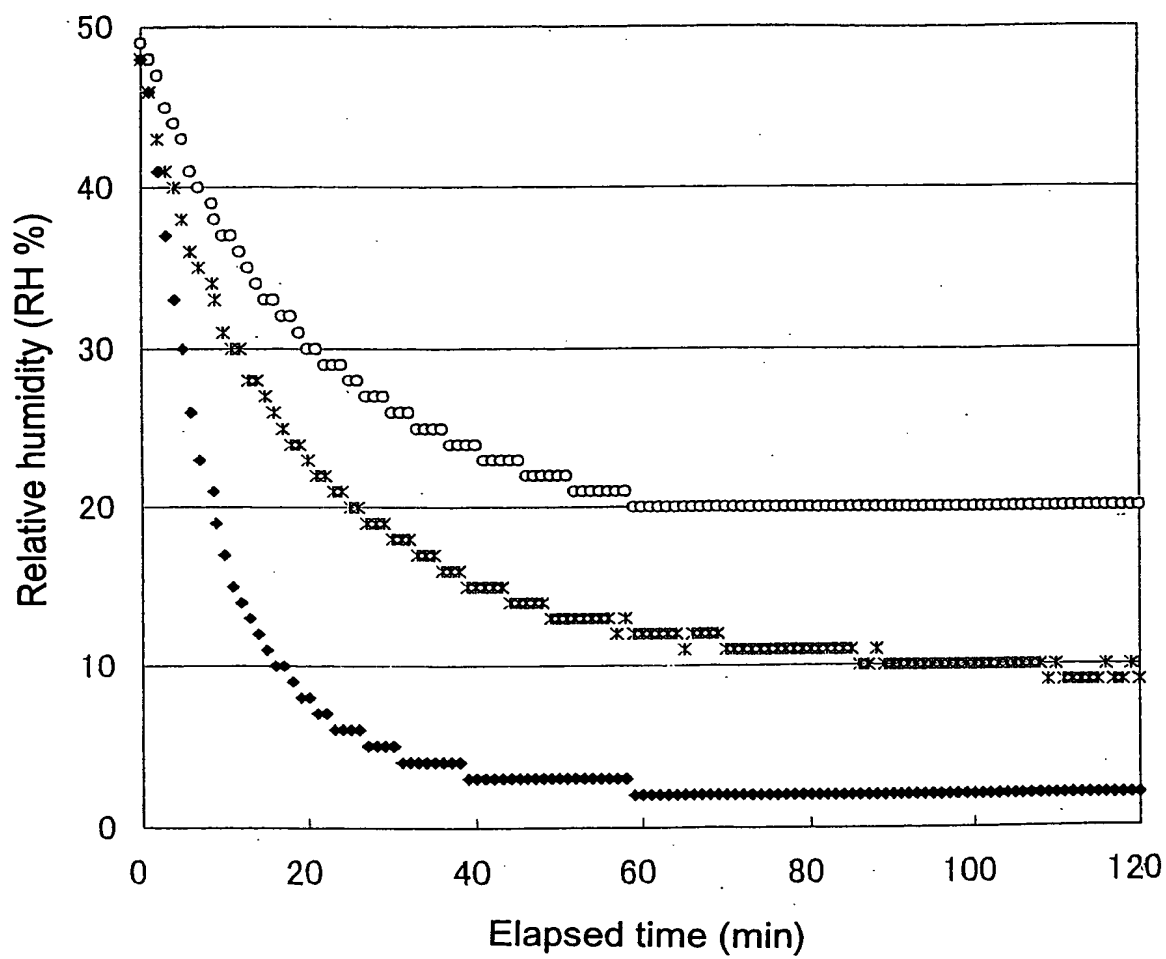
73/101

FIG. 73



74/101

FIG. 74



75/101

FIG. 75

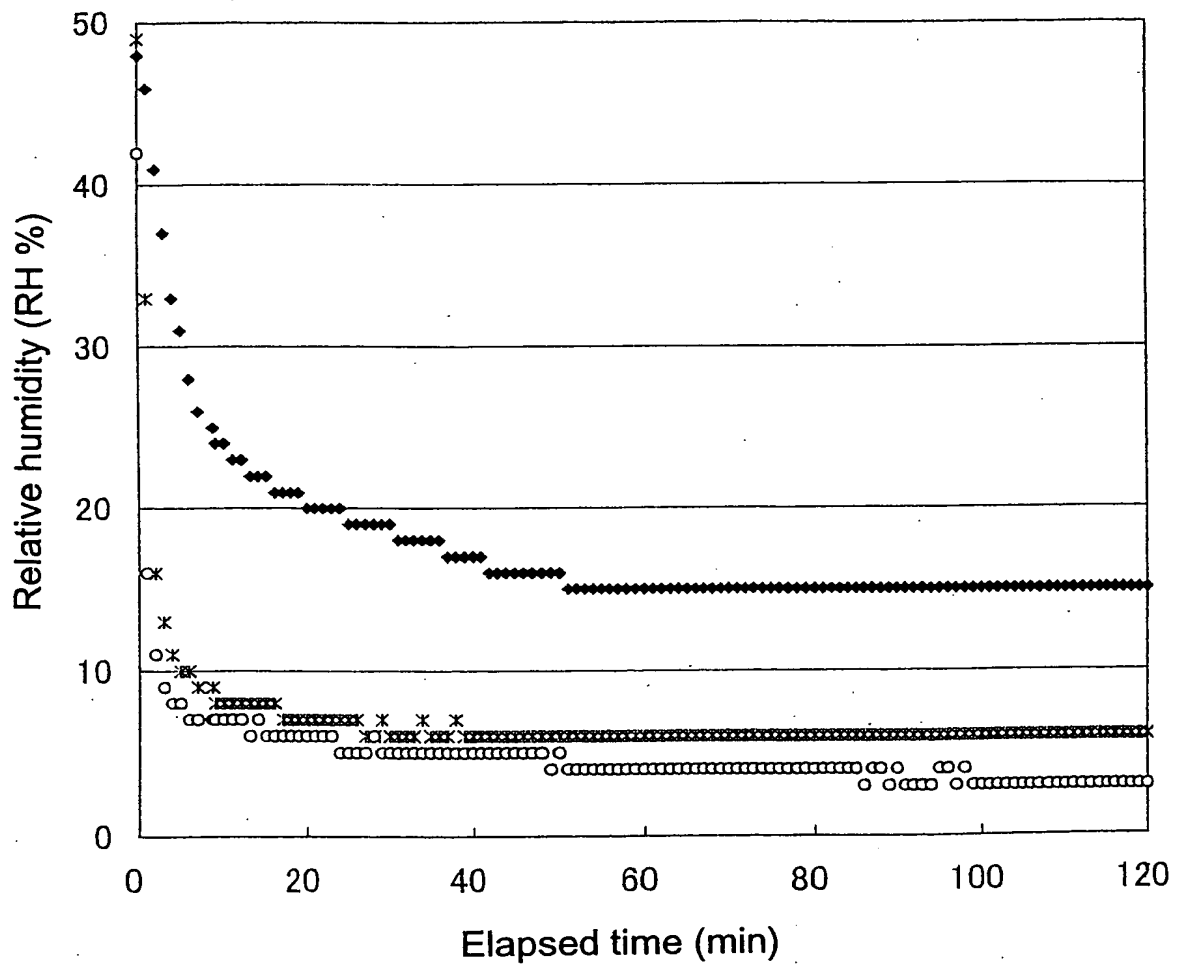


FIG. 76

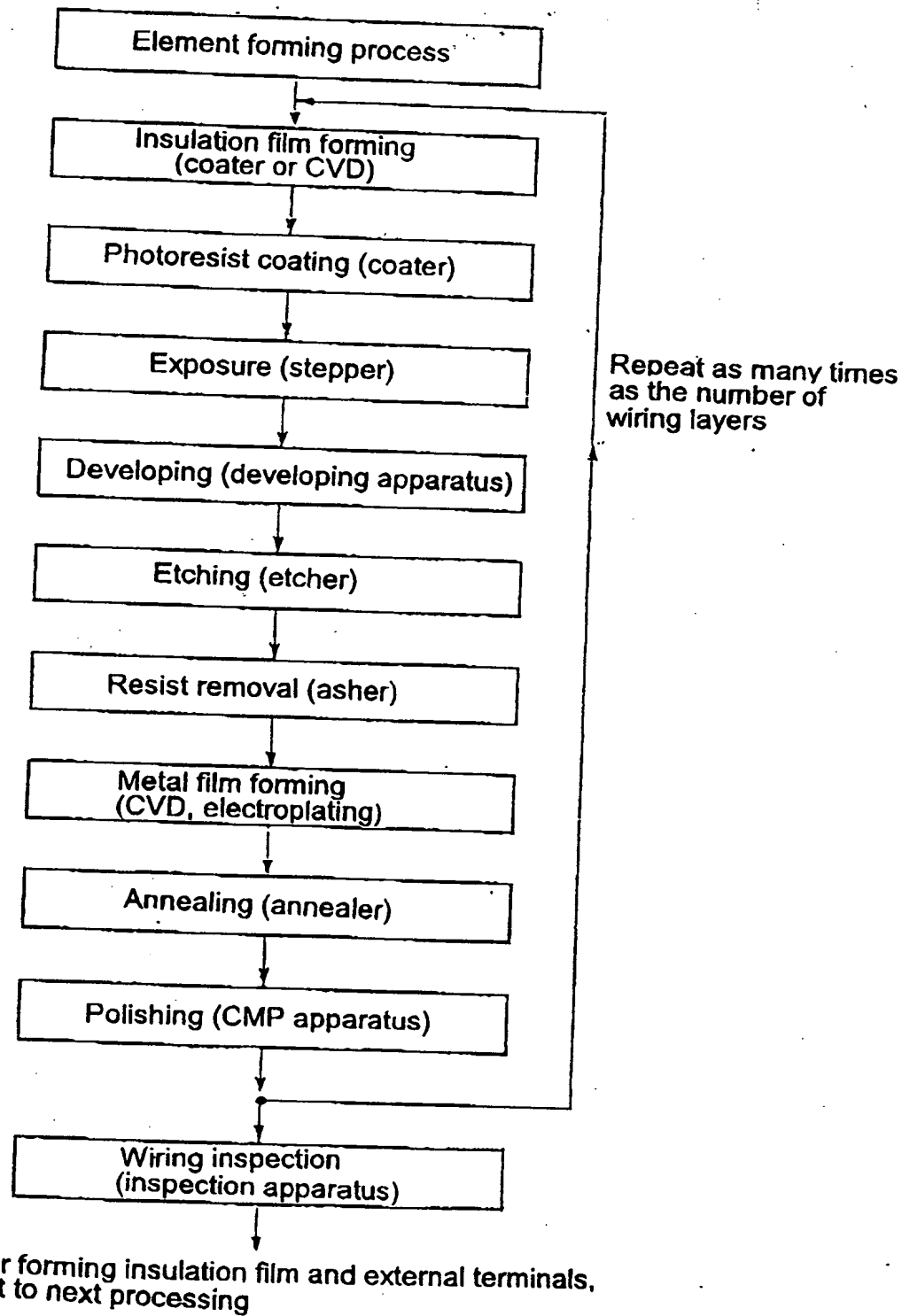
SEMICONDUCTOR MANUFACTURING
PROCESS FLOWCHART

FIG. 77A

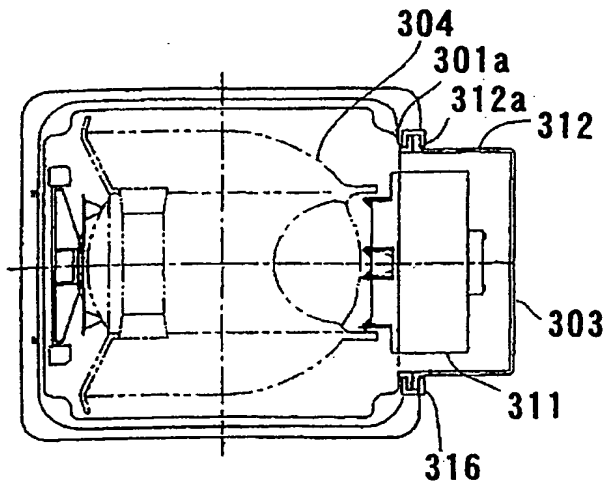


FIG. 77B

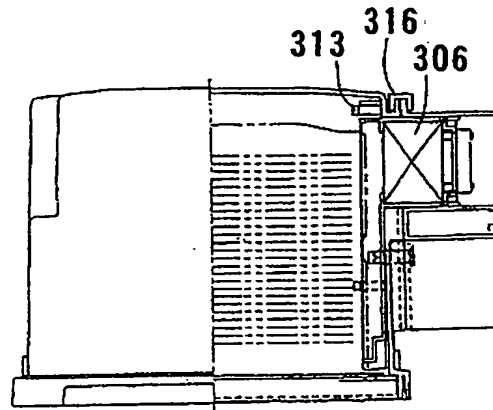


FIG. 77C

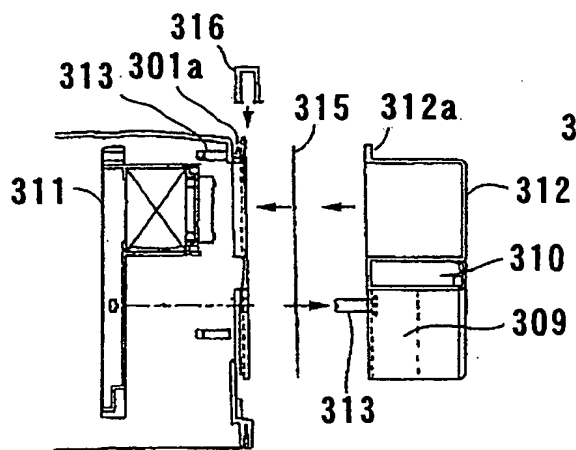


FIG. 77D

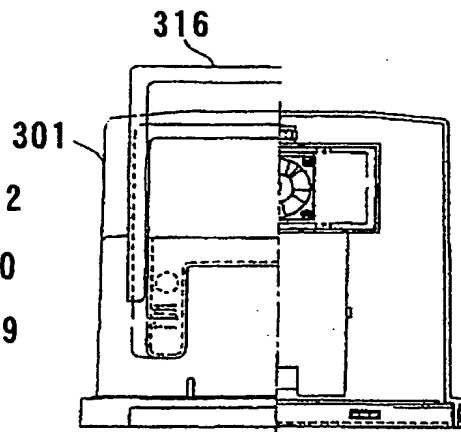


FIG. 78A

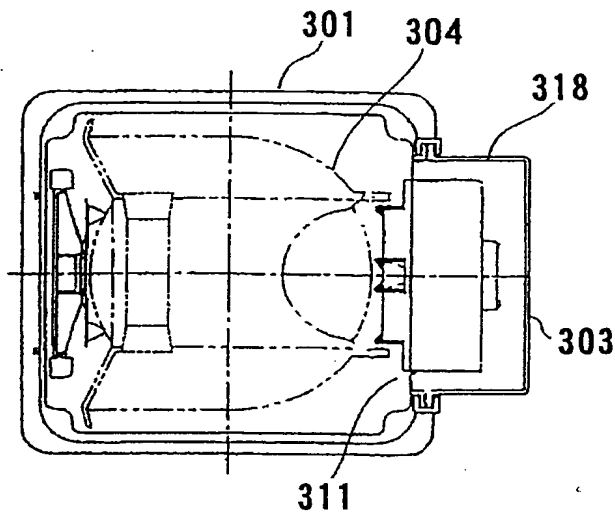


FIG. 78B

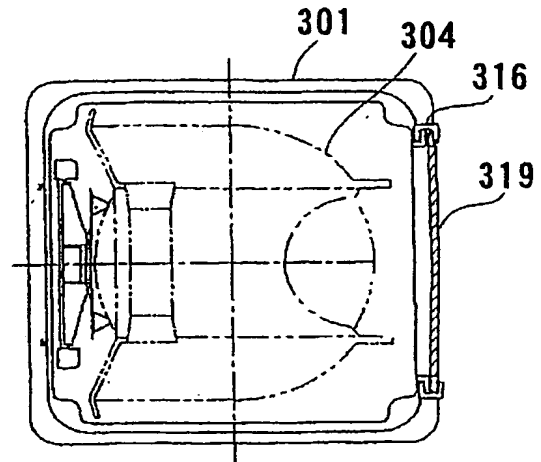


FIG. 78C

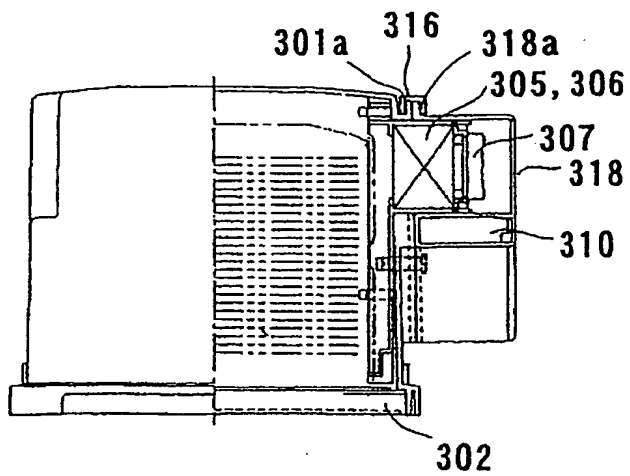


FIG. 78D

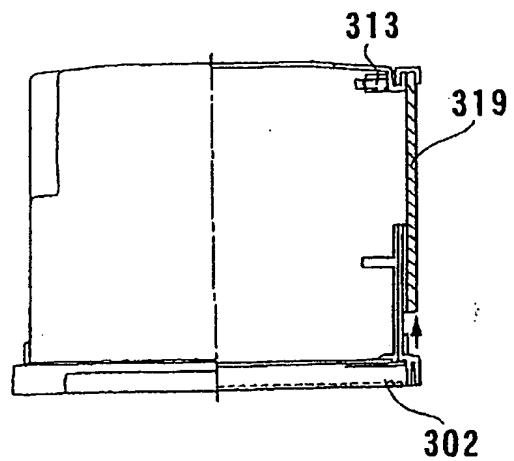


FIG. 79A

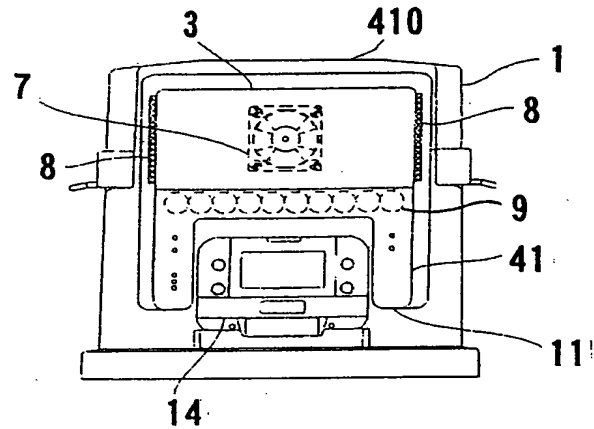


FIG. 79B

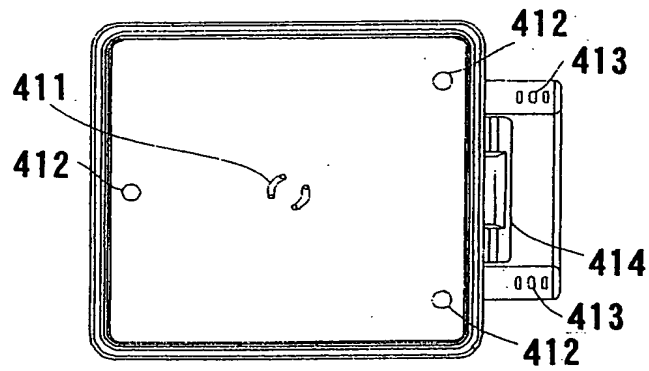


FIG. 79C

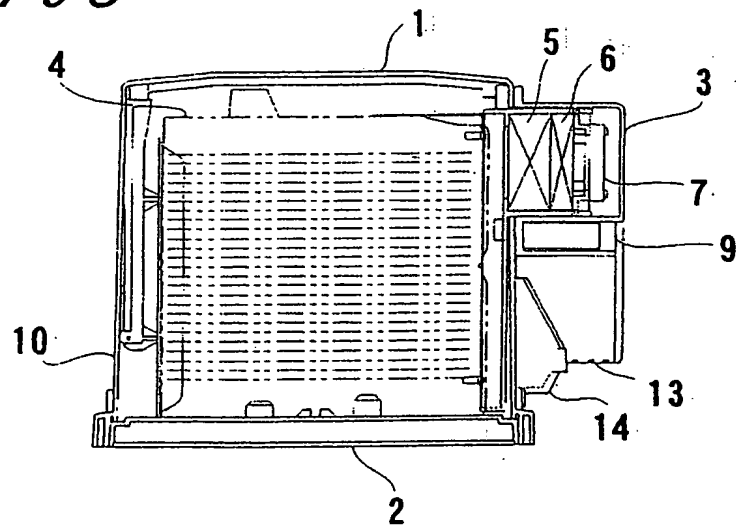


FIG. 80A

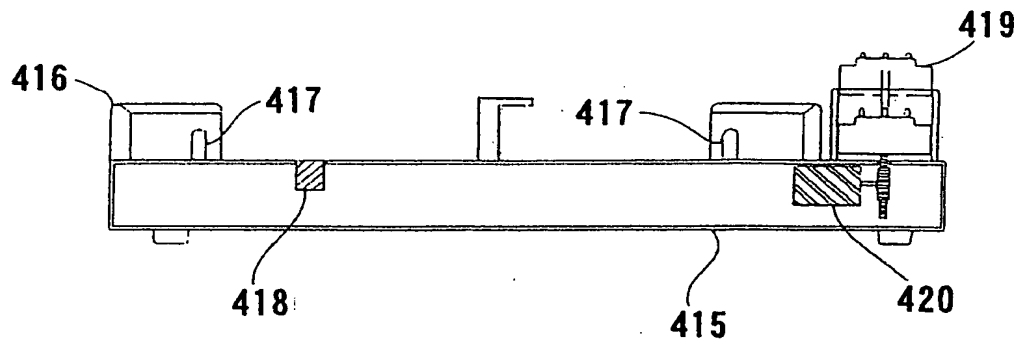
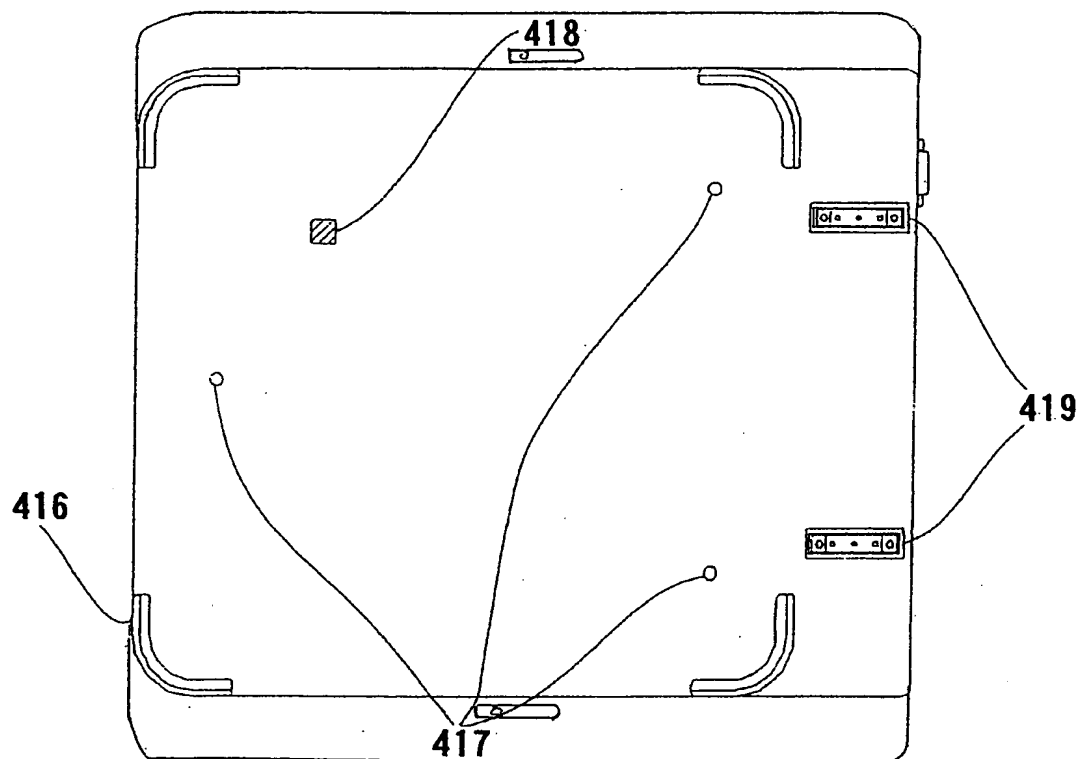


FIG. 80B



81/101

FIG. 81A

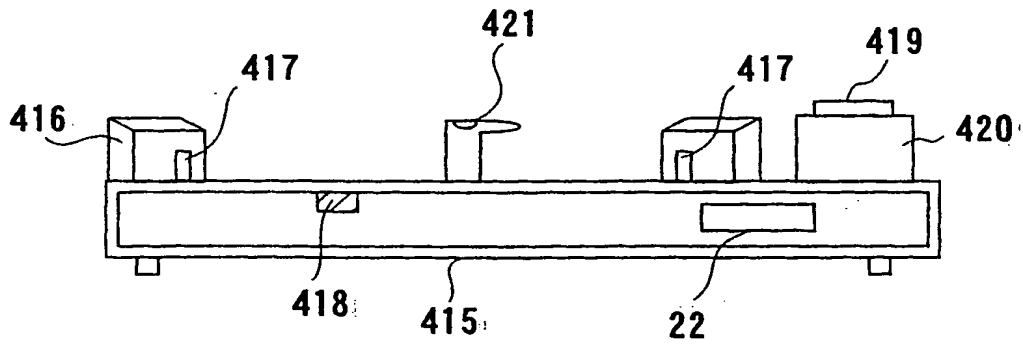


FIG. 81B

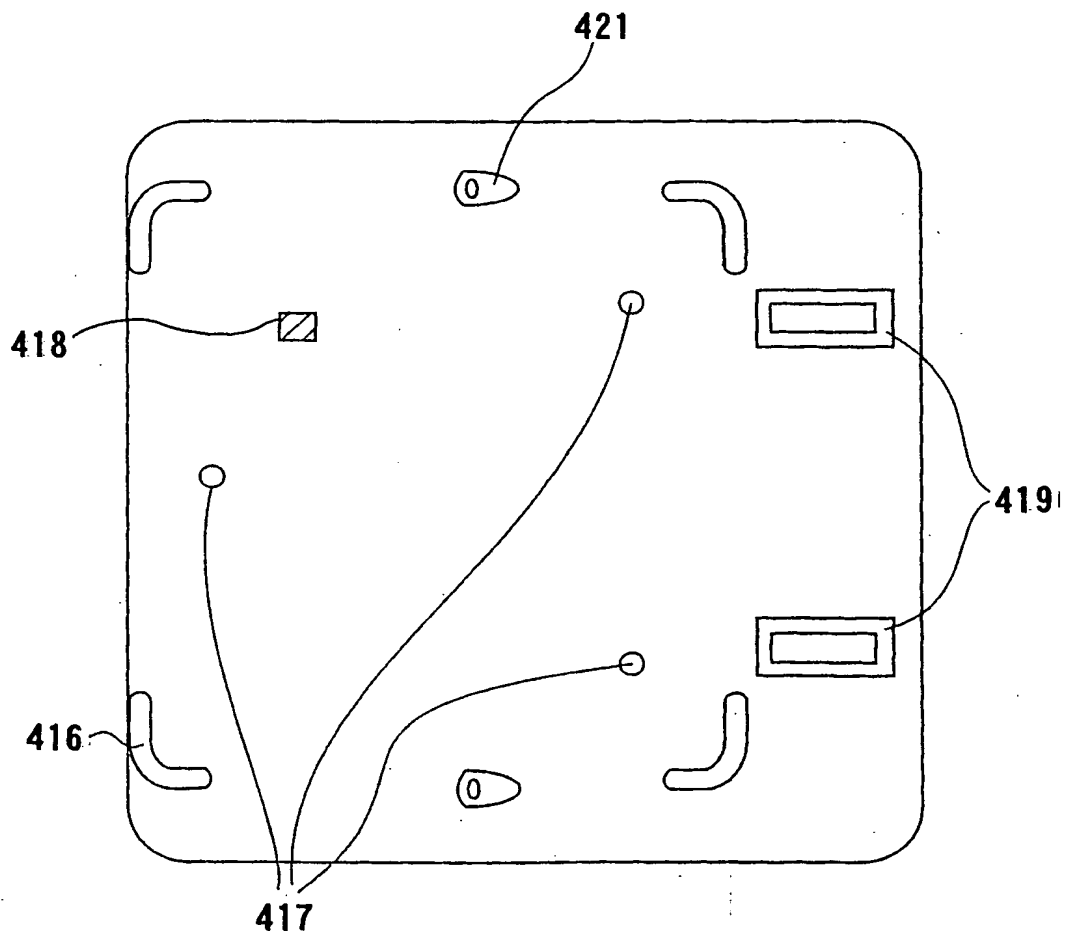


FIG. 82

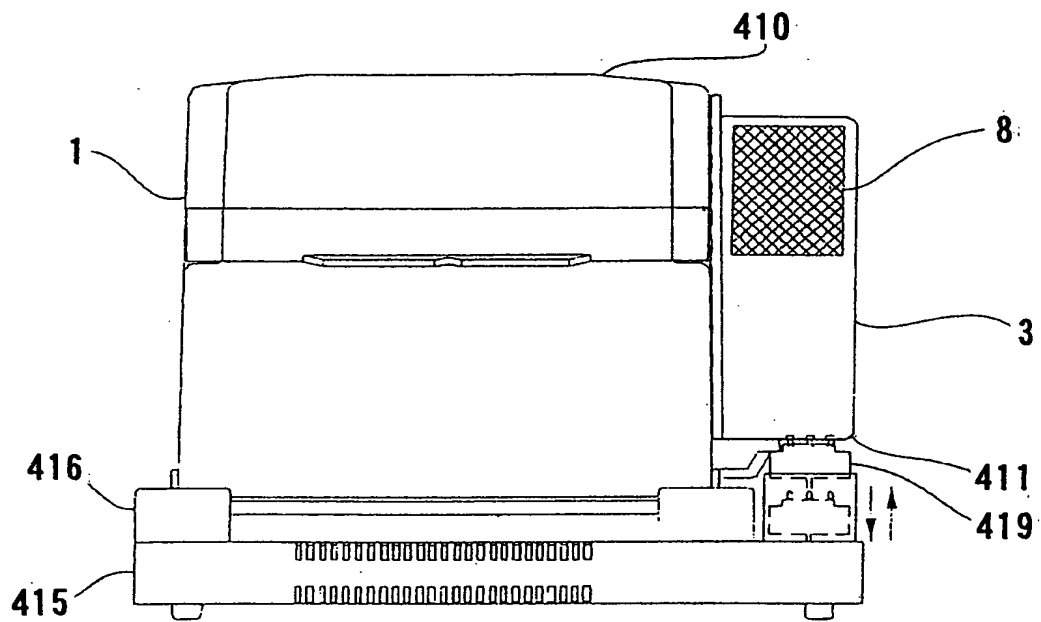
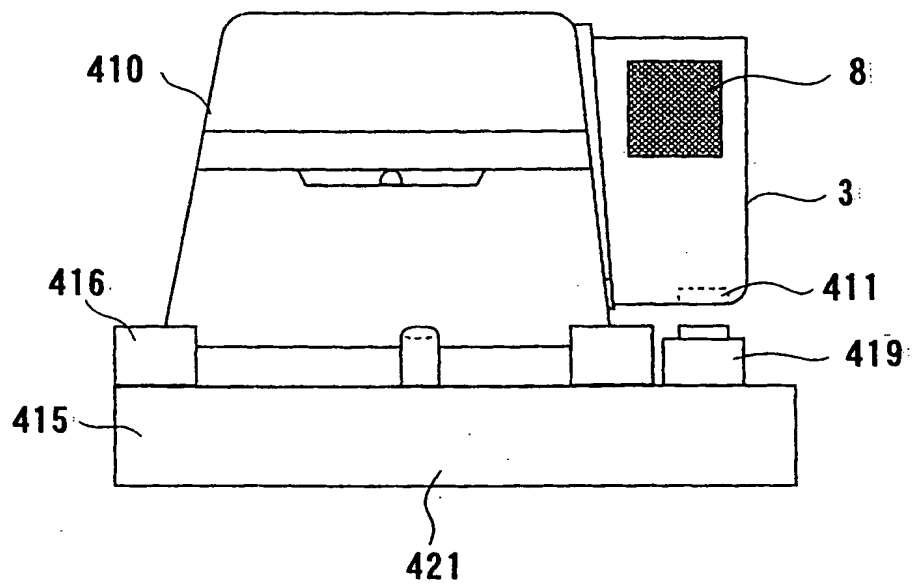


FIG. 83



84/101

FIG. 84

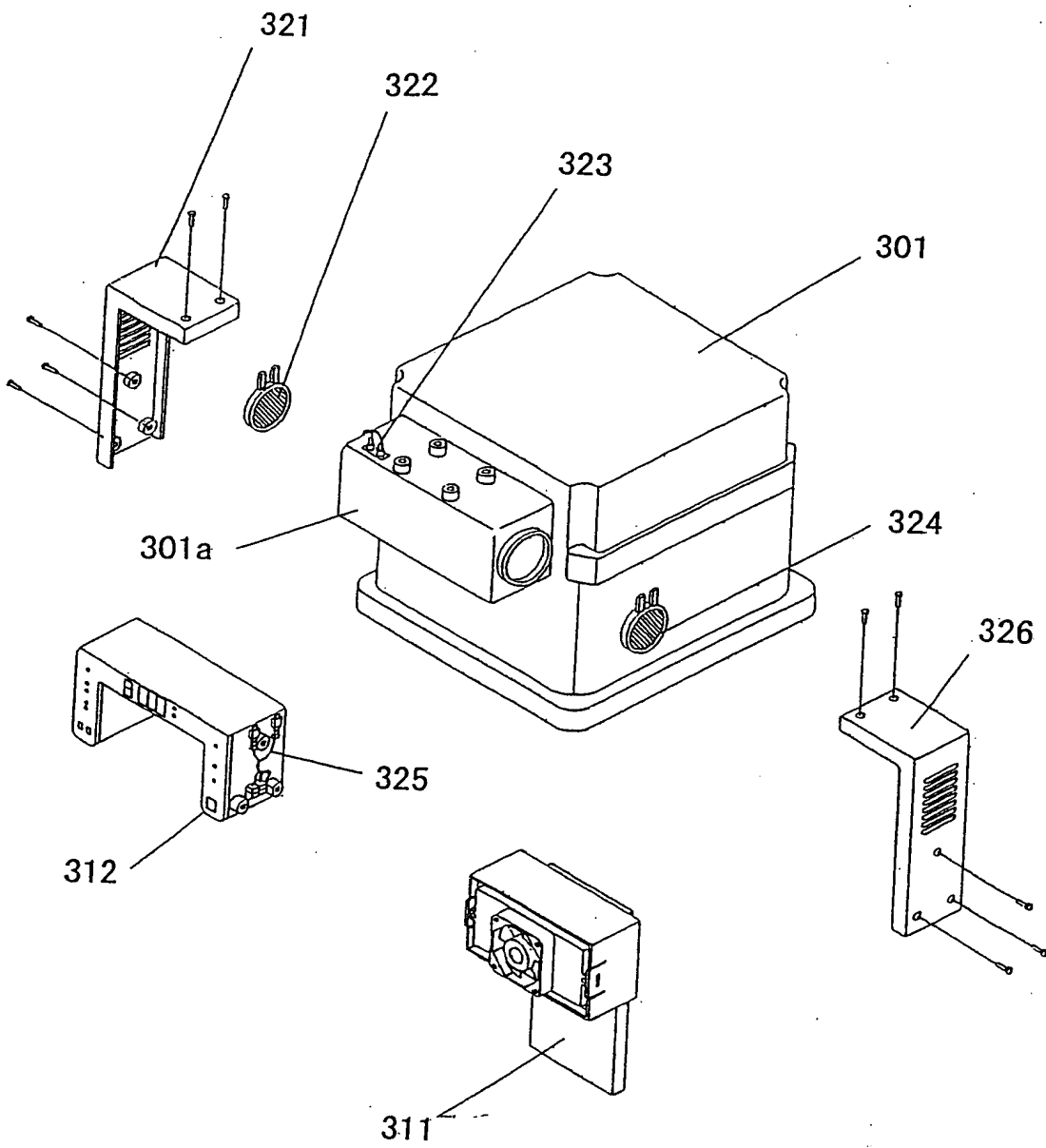


FIG. 85

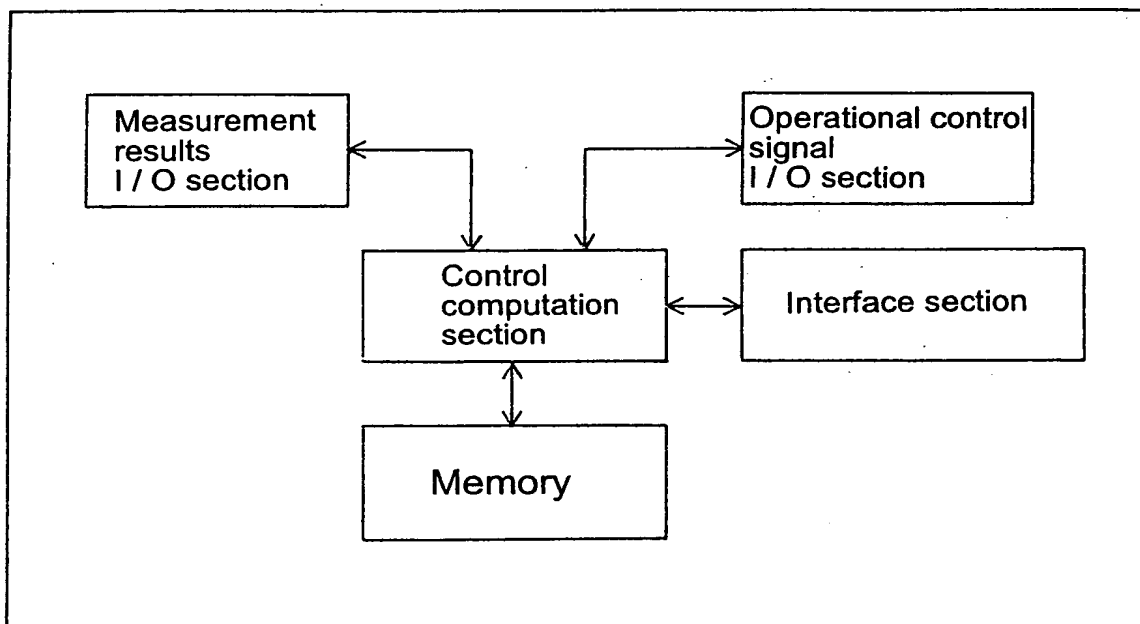


FIG. 86

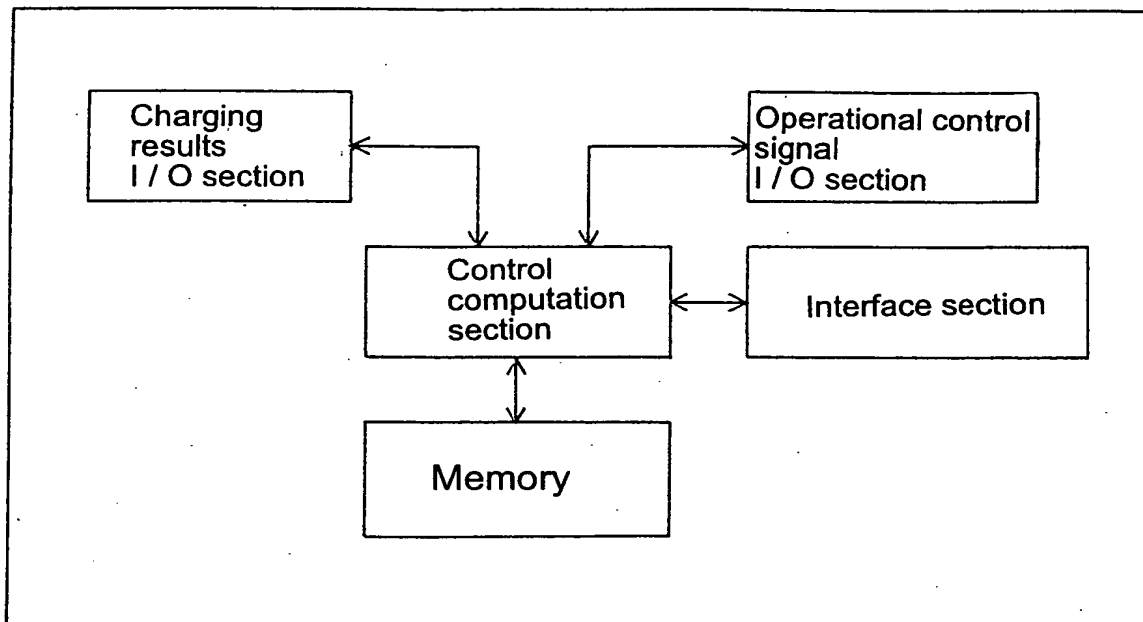


FIG. 87A

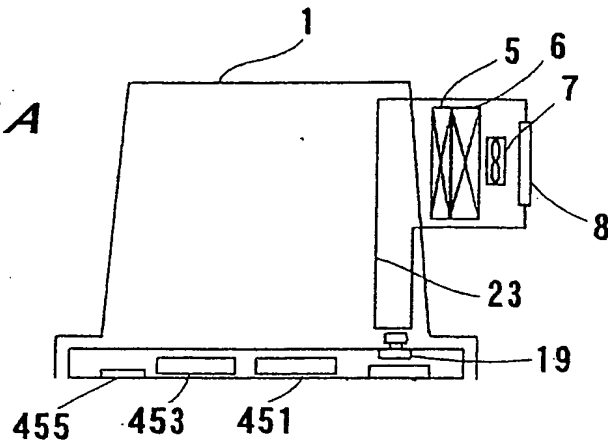


FIG. 87B

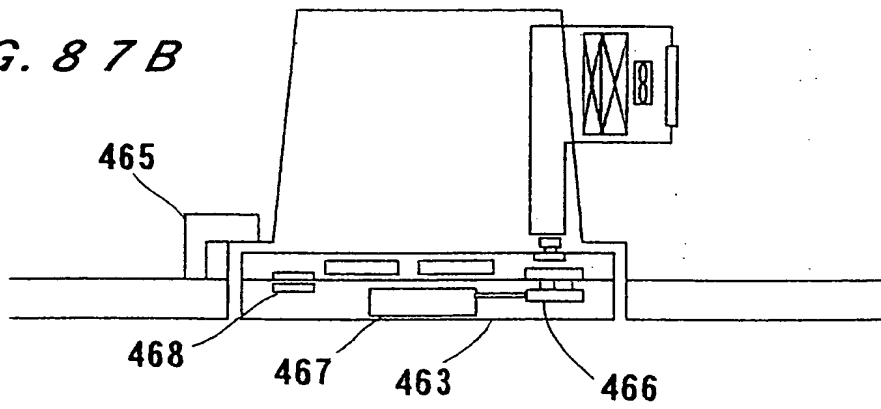


FIG. 87C

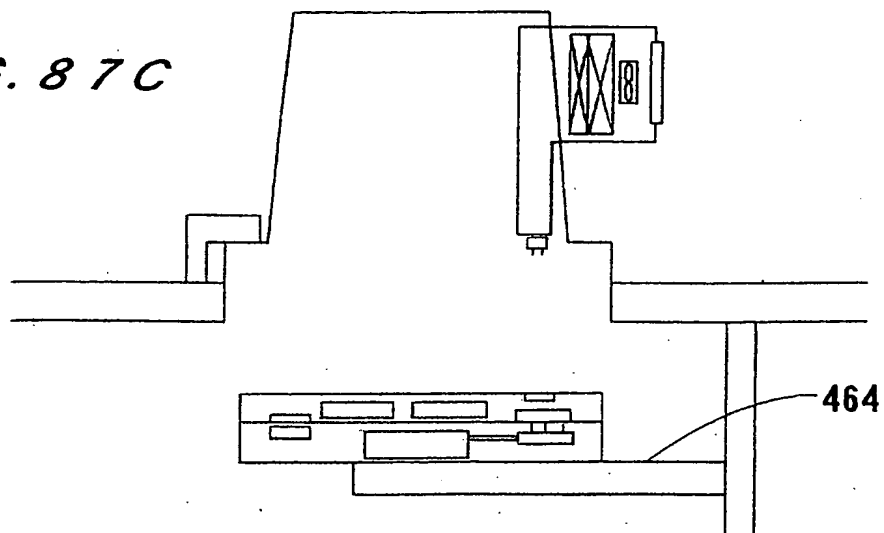


FIG. 88A

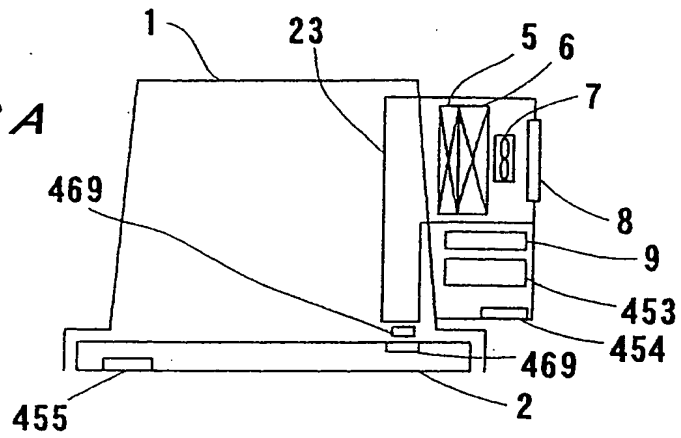


FIG. 88B

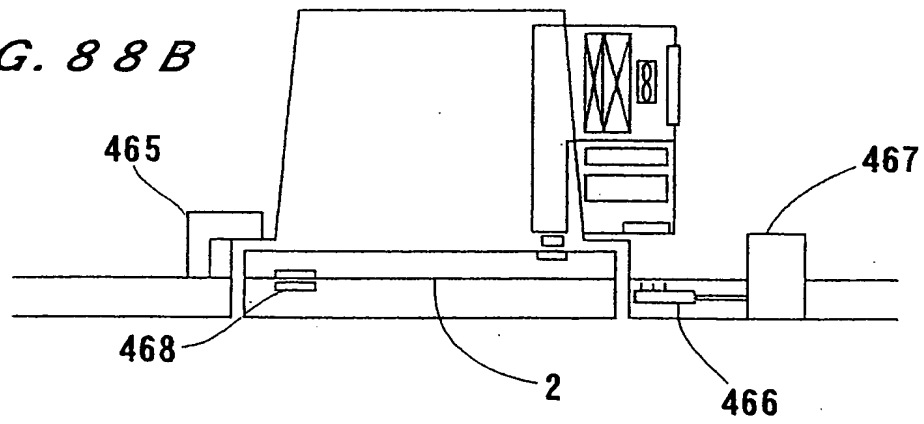


FIG. 88C

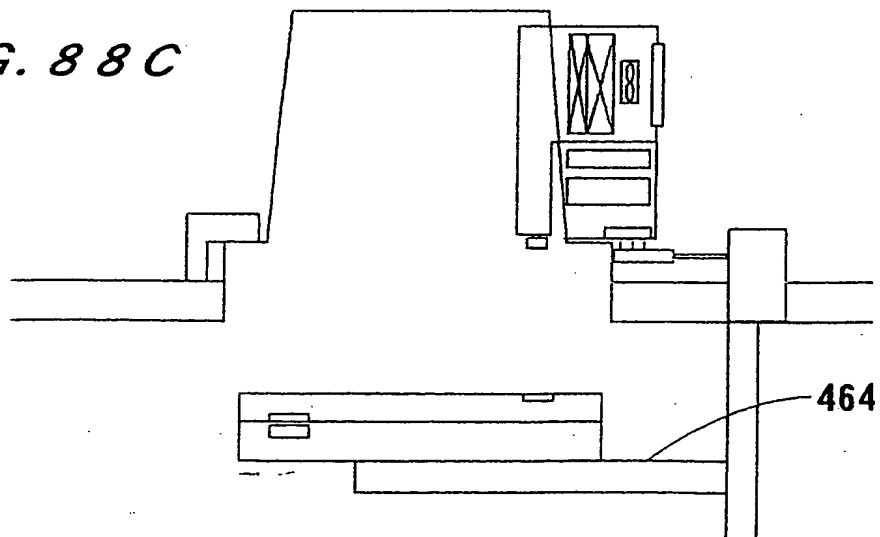


FIG. 89A

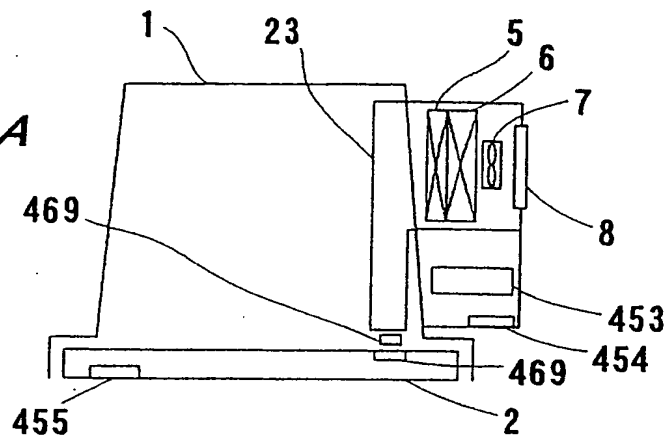


FIG. 89B

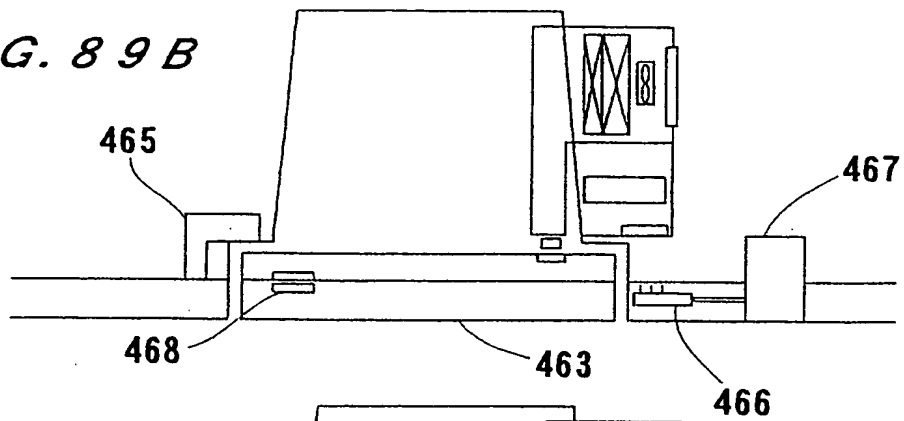


FIG. 89C

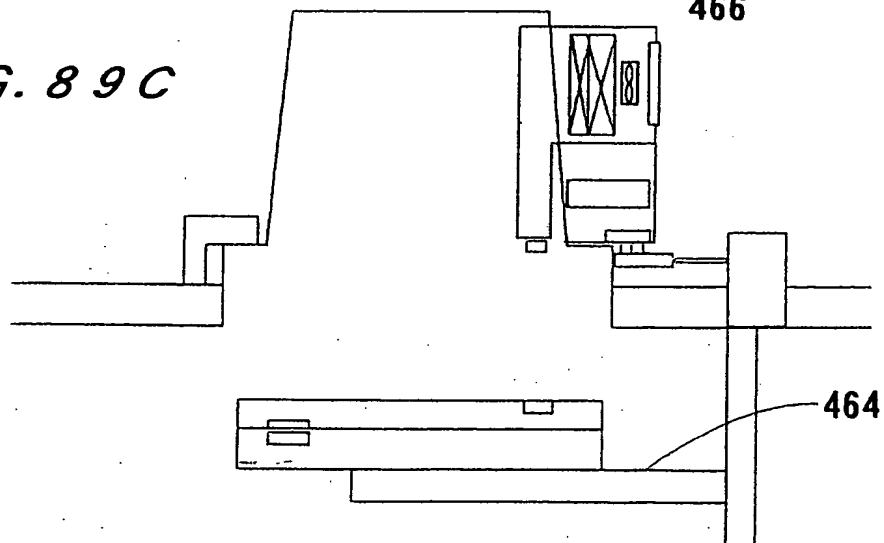


FIG. 90A

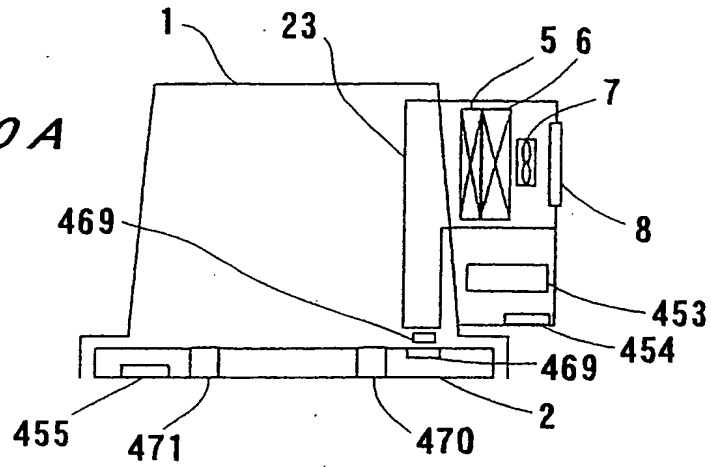


FIG. 90B

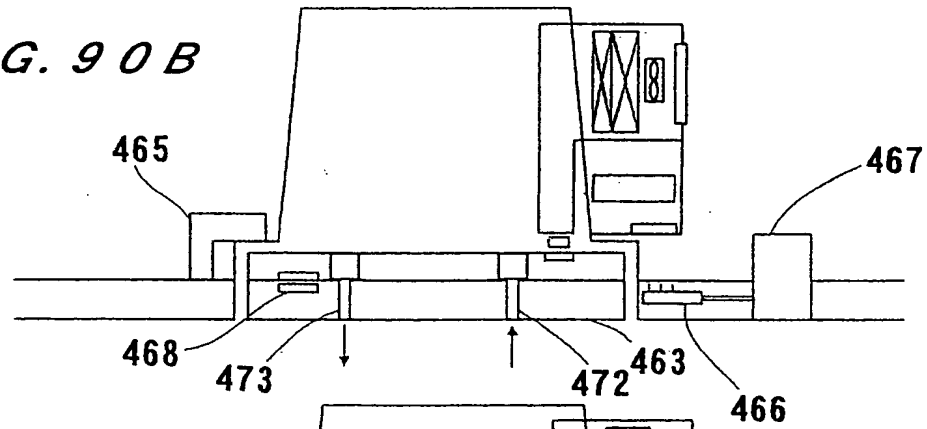


FIG. 90C

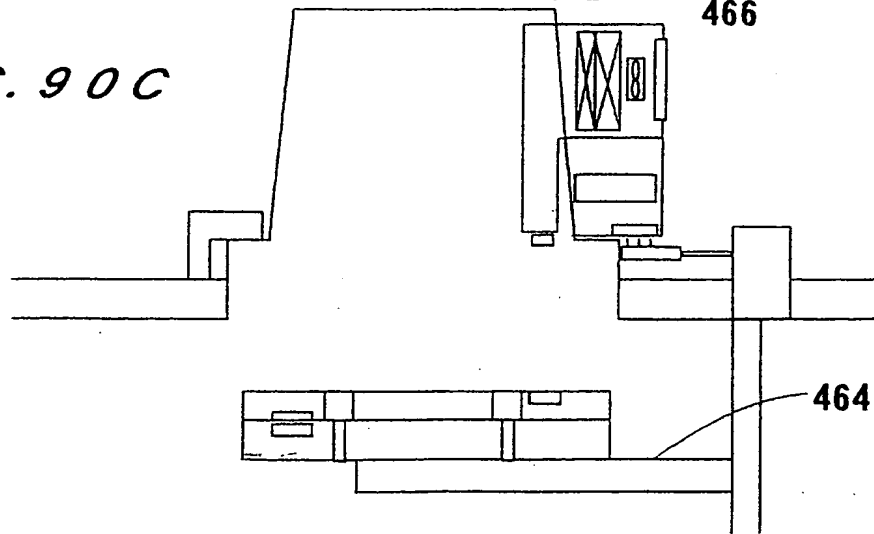
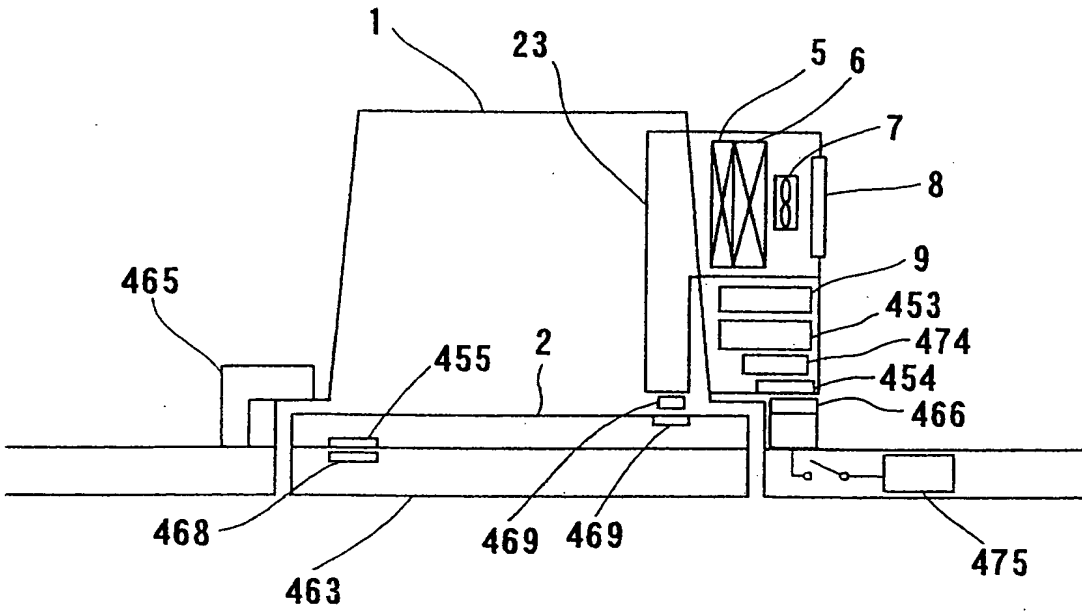


FIG. 91



92/101

FIG. 92

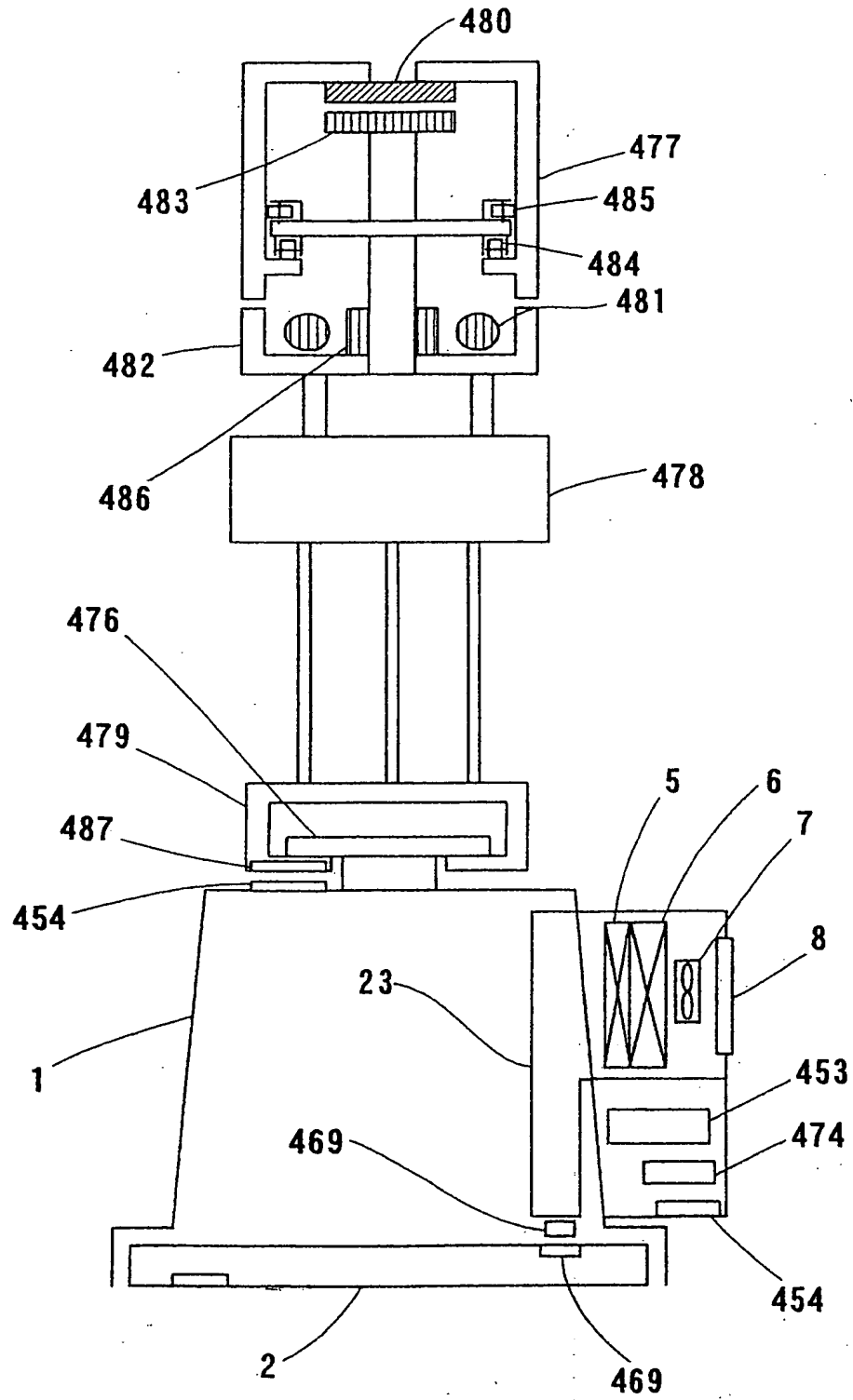


FIG. 93

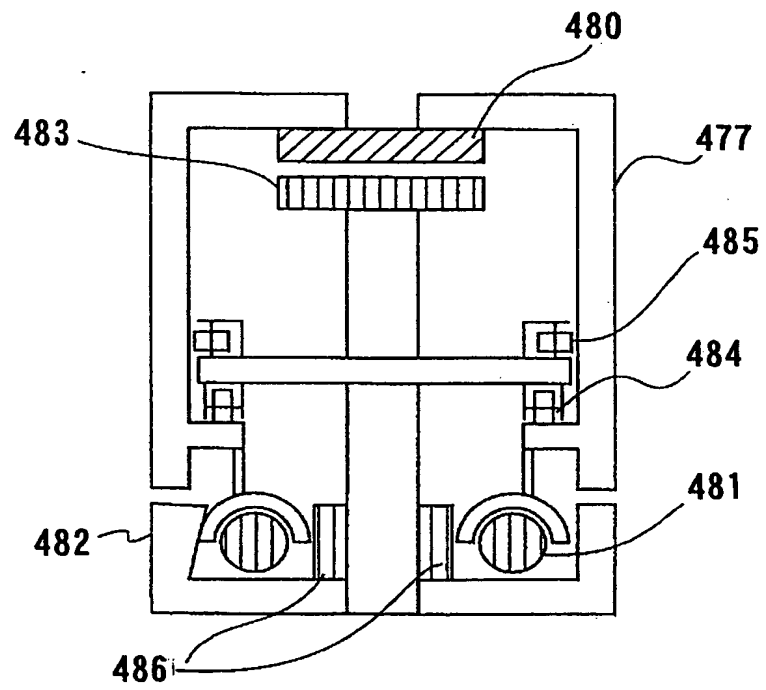


FIG. 94

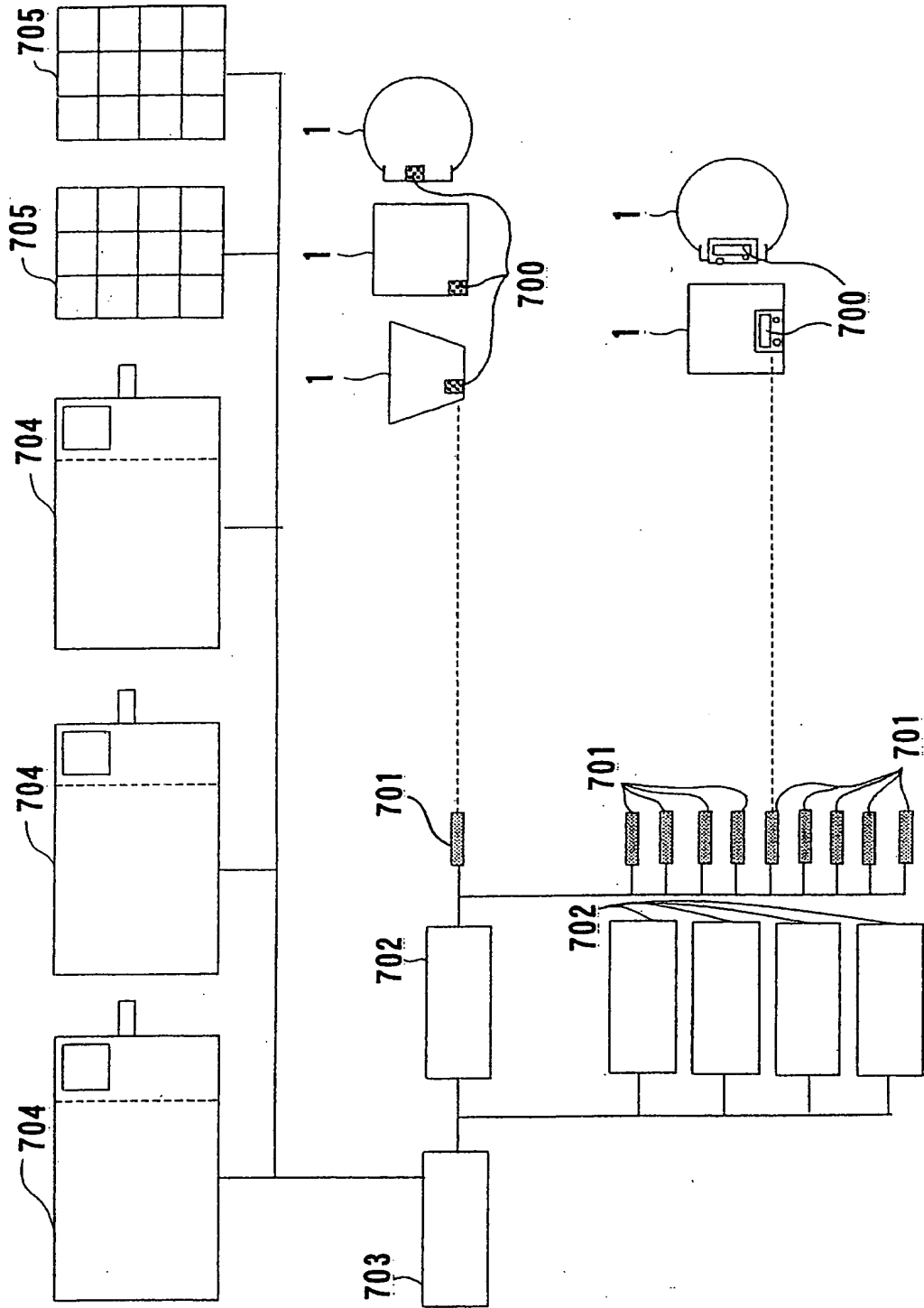


FIG. 95

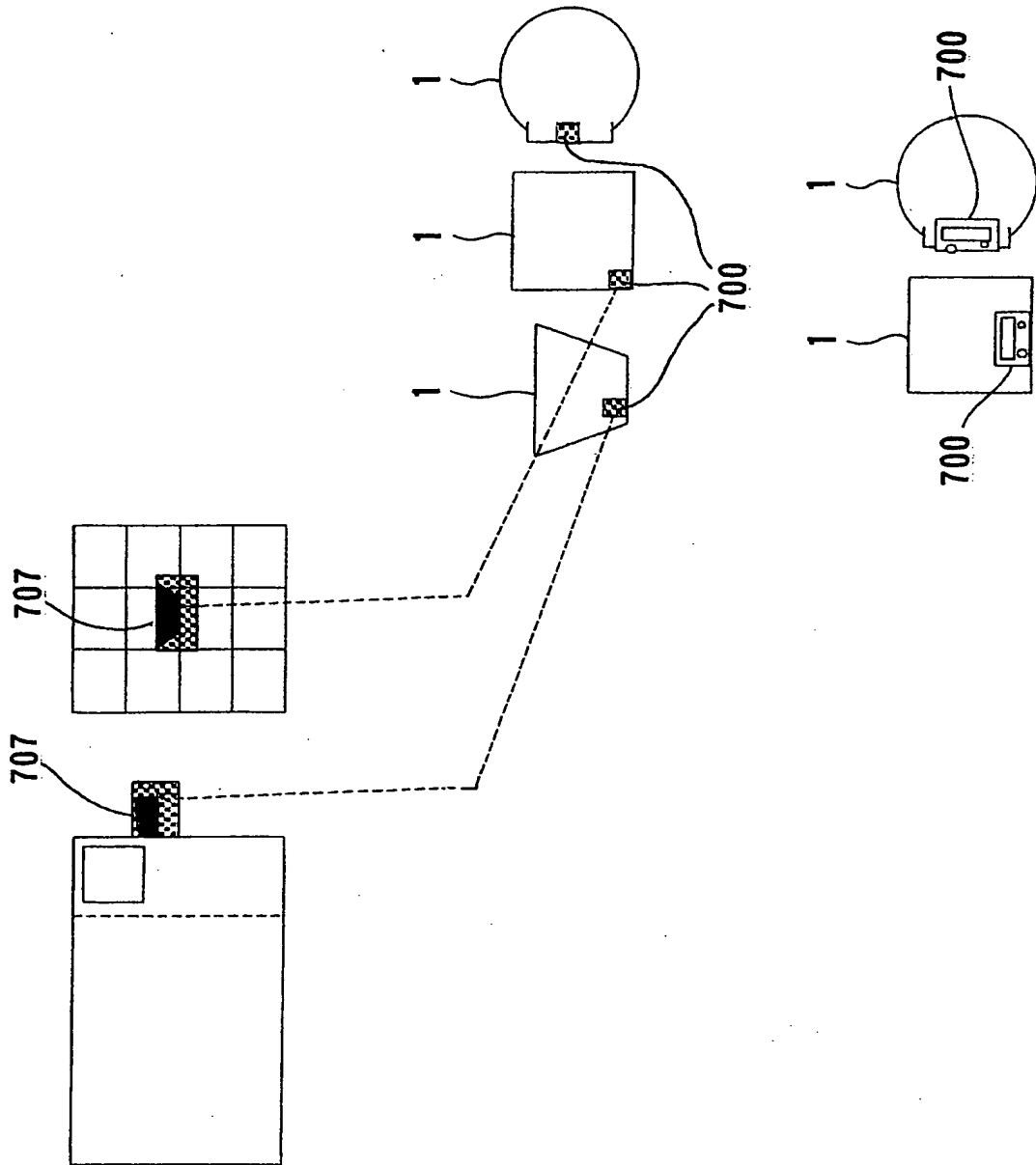
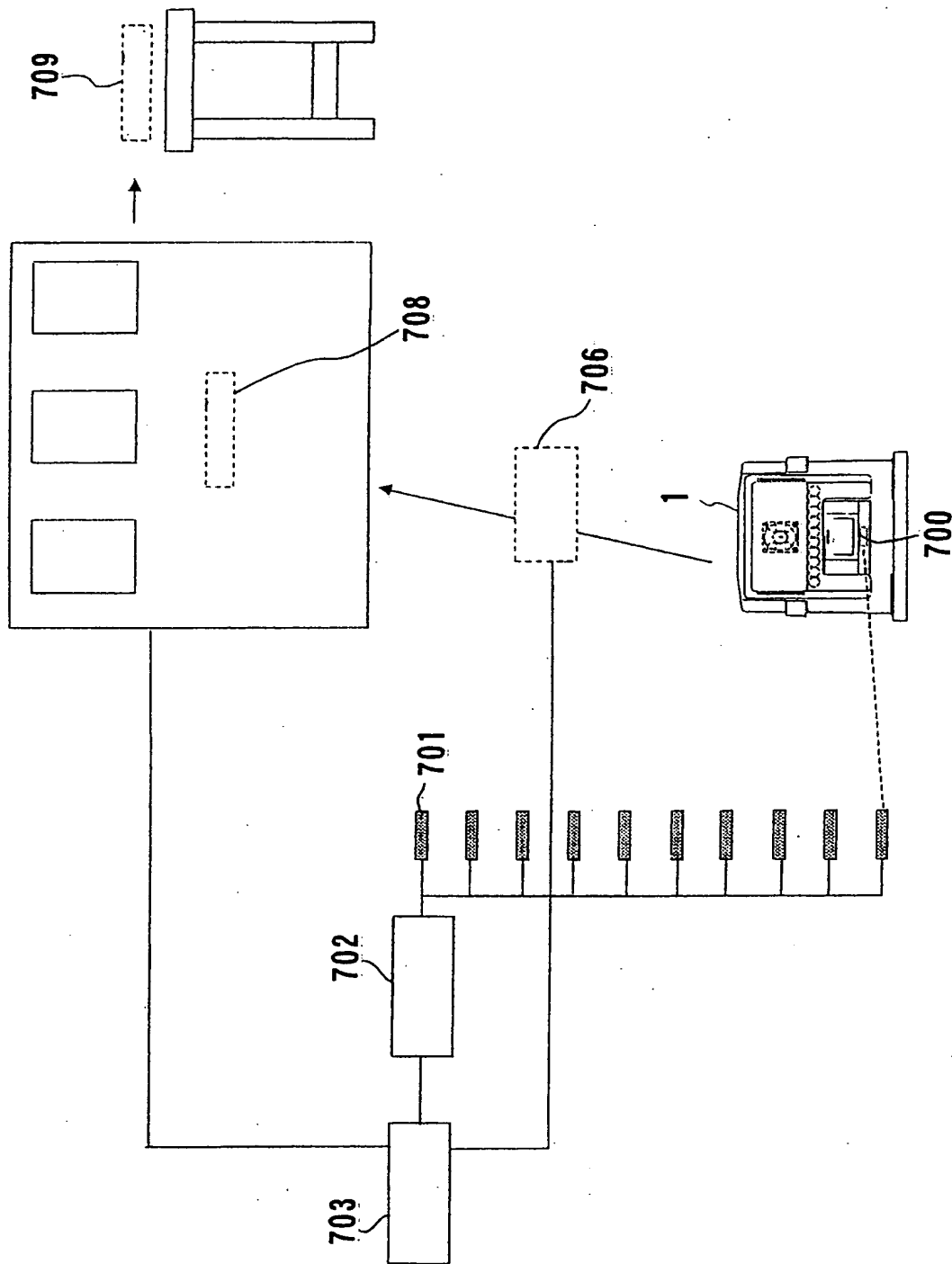


FIG. 96



97/101

FIG. 97

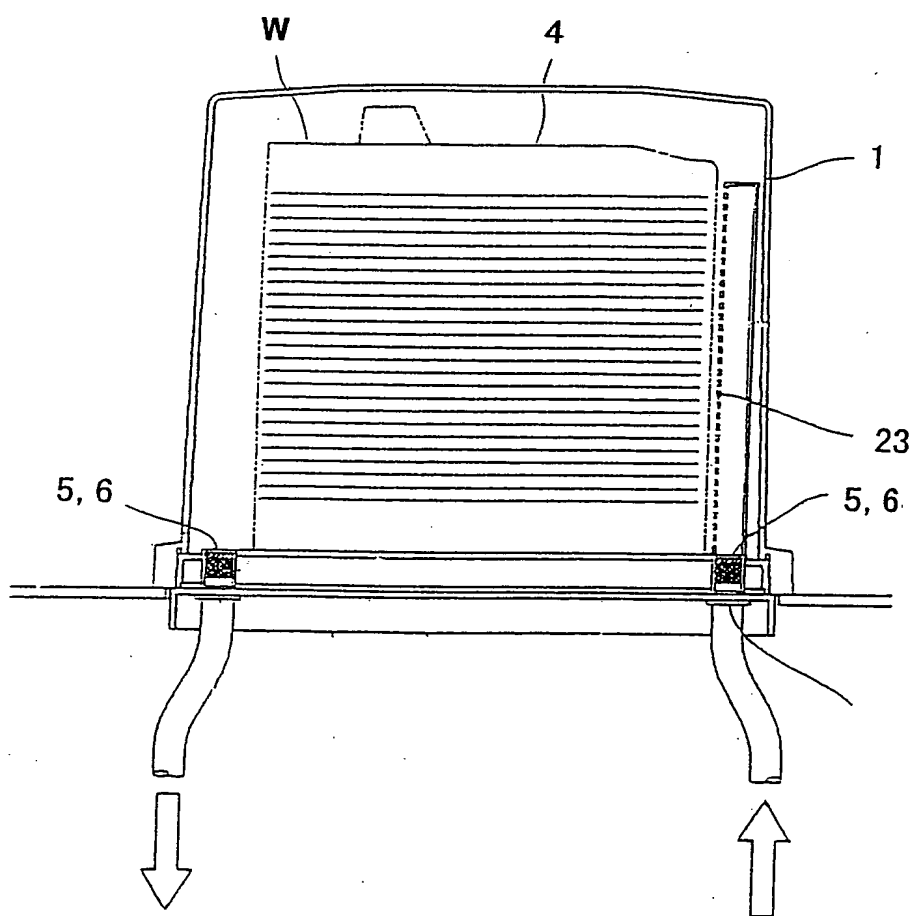
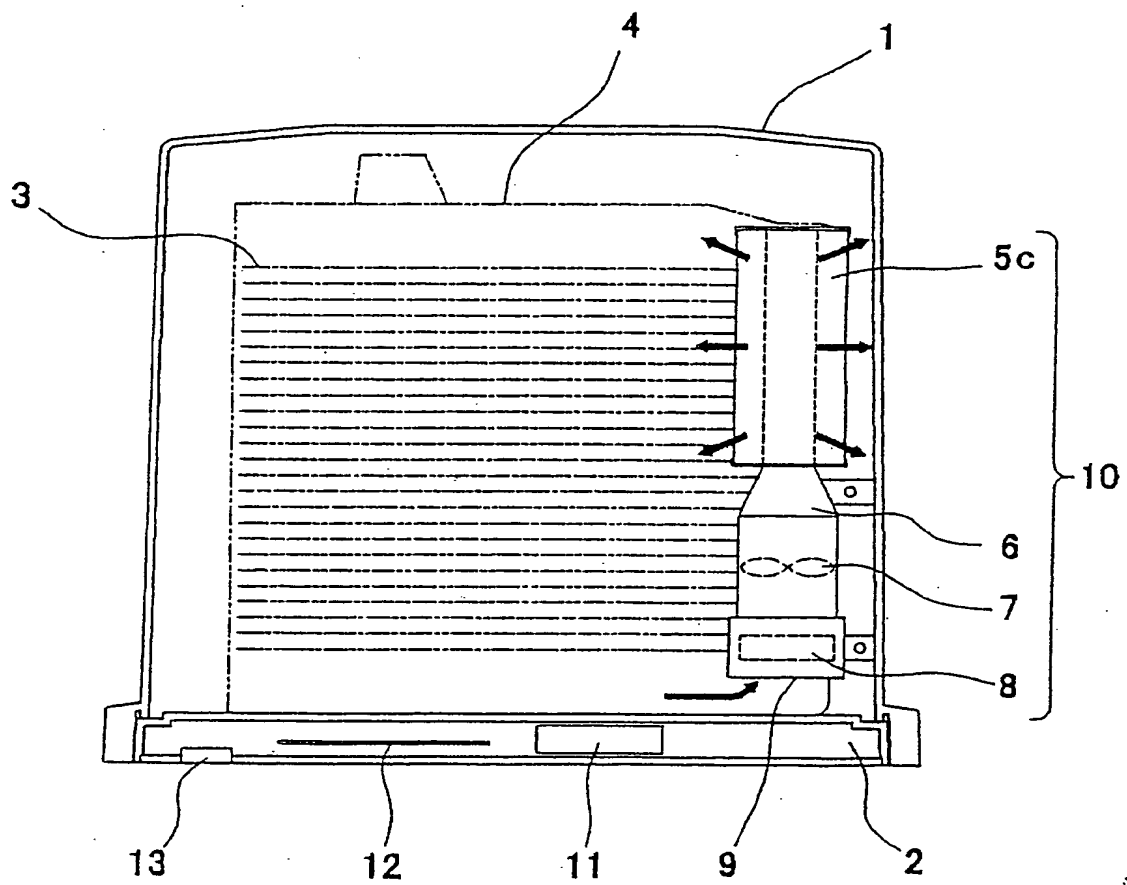
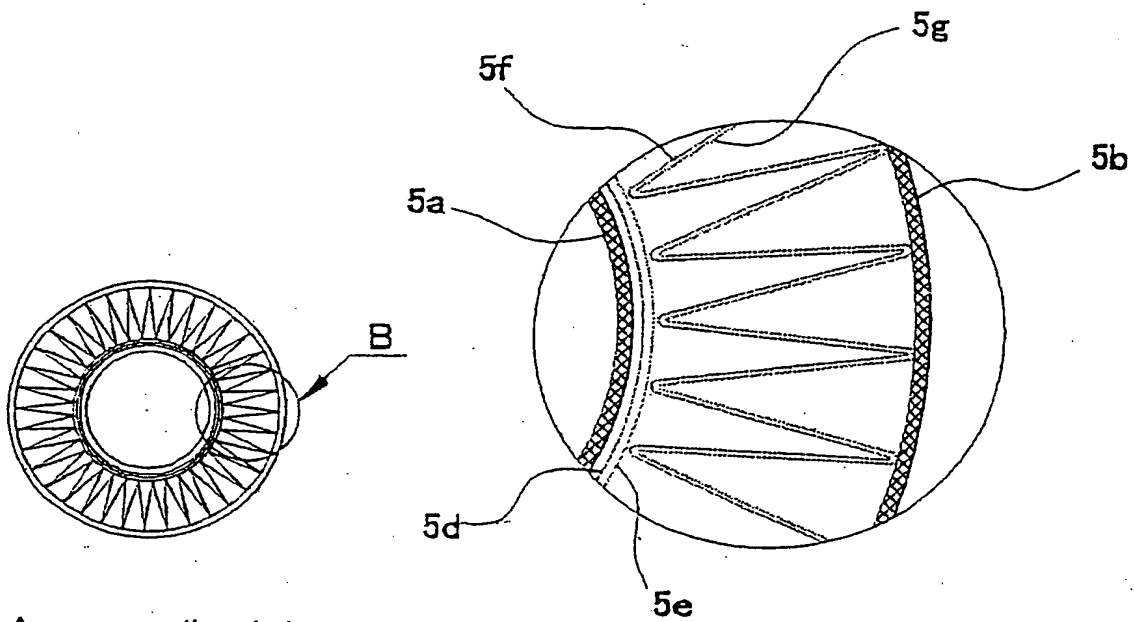
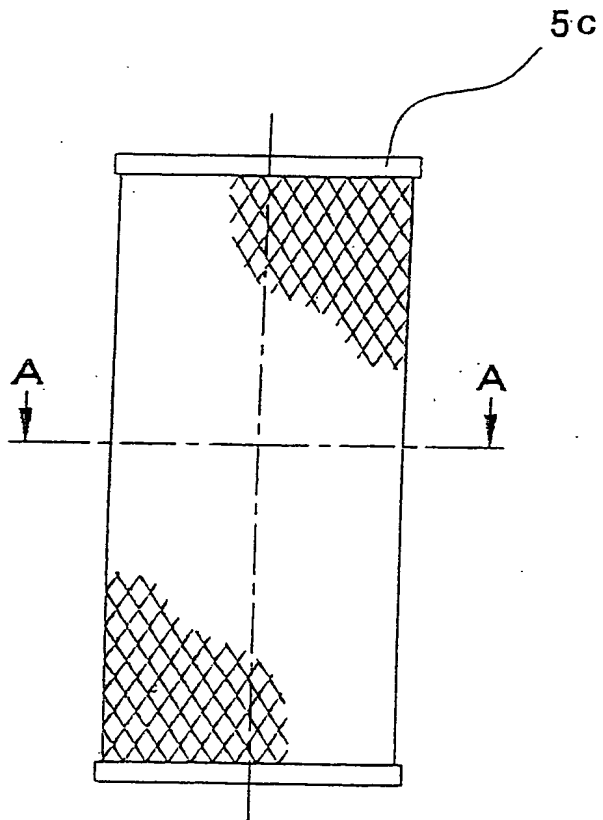


FIG. 98



99/101

FIG. 99



A - A cross-sectional view

B enlarged view

FIG. 100

